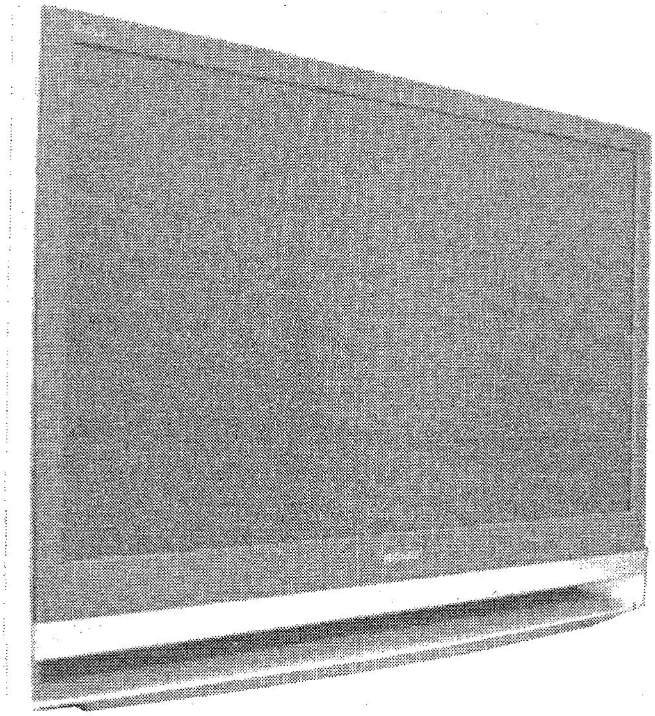
Self Diagnosis *Supported model*

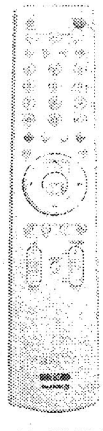
SERVICE MANUAL

LE-4B CHASSIS

MODEL	COMMANDER	DEST	MODEL	COMMANDER	DEST
KDF-E42A11E	*RM-ED002*	*AEP*	*KDF-E50A11E*	*RM-ED002*	*AEP*



KDF-E42/50A11E



RM-ED002

LCD PROJECTION TV

SONY®

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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

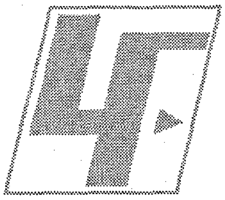
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

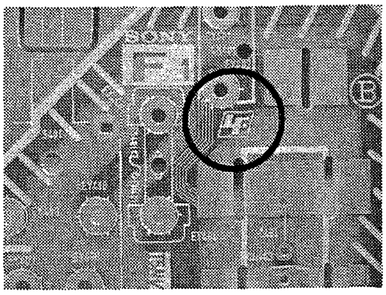
CAUTION

Lead Free Soldered Boards

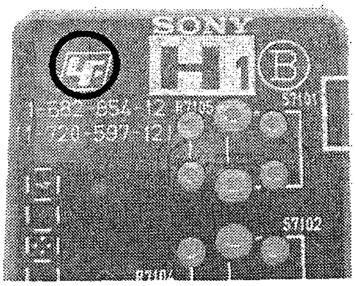
The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.



example 1



example 2



It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to *http://www.sony-training.com*

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
AEP	B/G, L, I, D/K, DVB-T	NICAM Stereo	UHF : B21-B69 VHF: E02-E12 CATV: S1-S20 HYPER: S21-S41	PAL, SECAM NTSC 3.58/4.43 (VIDEO ONLY) MPEG-2 MP@ML

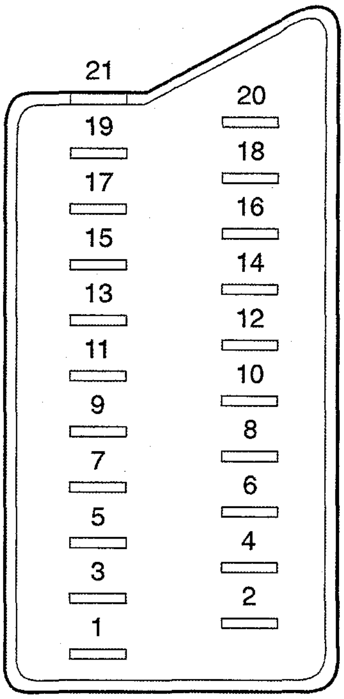
Projected Picture Size	Approx 107 cm (42 inches) KDF-E42A11E Approx 127 cm (50 inches) KDF-E50A11E
Input/Output Terminals [REAR]	
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.
2: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs for Video and Audio signals (selectable). Smartlink interface.
Phono Jacks	Output Connectors variable for Audio Signals.
Minijack	Input for PC Audio.
D type connector	PC input.
Input/Output Terminals [FRONT]	
Headphone jack	stereo mini jack
Audio inputs	phono jacks
Video inputs	phono jacks
S Video input	4 pin DIN

Sound Output	
Right and Left speaker	2x20W (Music Power) 2x10W (RMS)
General Specifications	
Power Requirements	220 - 240V
Power Consumption/ Standby	Approx 175W/0.8W
Dimensions	Approx 720 x 1000 x 350mm (KDF-E42A11E) Approx 825 x 1180 x 395mm (KDF-E50A11E)
Weight	Approx 25.1kg (KDF-E42A11E) Approx 29.6kg (KDF-E50A11E)
Supplied Accessories	RM-ED002 Remote Commander (1) IEC designated R6 battery (2) Coaxial Cable (1)
Other Features	3D Comb Filter, Teletext, NextView, PAT, Smartlink,Virtual Dolby, BBE, NICAM, HDMI input, PCMCIA, modem out.
Remote control system : Infrared control	
Power requirements	3V dc 2 batteries IEC designation LR03 (size AAA)

Design and specifications are subject to change without notice.

Model Name Item	KDF-E42A11E	KDF-E50A11E
PAP	OFF	OFF
PAT	ON	ON
RGB Priority	ON	ON
Sub Woofer	OFF	OFF
Scart 1	ON	ON
Scart 2	ON	ON
Front in (4)	ON	ON
Projector	ON	ON
Norm B/G	ON	ON
Norm I	ON	ON
Norm D/K	ON	ON
Norm AUS	OFF	OFF
Norm L	ON	ON
Norm SAT	OFF	OFF
Norm M	OFF	OFF
Teletext	ON	ON
Nicam Stereo	ON	ON

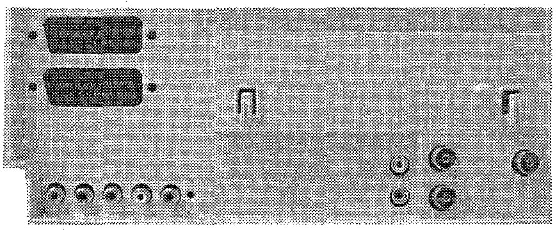
21 pin connector



Pin No	1	2	3	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	○	○	○	Audio input B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	○	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	○	●	●	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	Open	
11	○	●	●	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	○	○	○	Open	
13	○	○	○	Ground (red)	
14	○	○	○	Ground (blanking)	
15	○	–	–	Red input	0.7 +/- 3dB, 75 ohms, positive
	–	○	○	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	●	●	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	○	○	○	Ground (video output)	
18	○	○	○	Ground (video input)	
19	○	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	–	–	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	–	○	○	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	○	Common ground (plug, shield)	

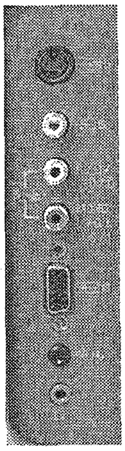
○ Connected ● Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel



Front Connection Panel

S-Video socket



S Video socket pin configuration		
Pin No	Signal	Signal Level
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.

SECTION 1 SELF DIAGNOSIS FUNCTION

LE-4B Self Diagnostic Software

LE-4B chassis TV's contain a self diagnosis function. In the event of an error occurring, the STANDBY LED indicator will automatically begin to flash. The number of times the STANDBY LED indicator flashes translates to a probable source of the problem. If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

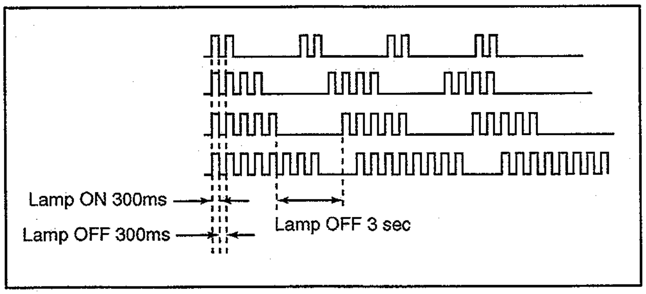
1. DIAGNOSTIC TEST INDICATORS

When an error occurs, the STANDBY indicator will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the indicator will identify the first of the problem areas.

The result for all of the following diagnosis items are displayed on screen. No error has occured if the screen displays a "0".

Error Message	LED Code	Probable Cause Location	Symptom
Temp Error	02	- Set temperature is high - Temp sensor connector is not attached securely.	- No picture/No sound
Lamp Cover Error	03	- Lamp cover is not attached securely. - Lamp is not set securely.	- No picture/No sound
Fan Stopped	04	- Fan has no power. - Fan connector is not attached securely.	- No picture/No sound
Lamp Driver Error	05	- Lamp driver is faulty.	- No picture/No sound
Low B Error	06	- B_12v is missing.	- No picture/No sound
Audio Error	07	- Short circuit of Audio power supply line. - Fuse blown. - IC failure.	- No picture/No sound
D-OVP Error	08	- B_12v overvoltage.	- No picture/No sound
ATSC OVP	10	- Q_10.5v overvoltage.	- No picture/No sound
Lamp Error	LAMP-LED flashes	- Lamp for light source burns out.	- No picture/No sound

2. DISPLAY OF STANDBY INDICATOR FLASH COUNT



3. STOPPING THE STANDBY INDICATOR FLASH

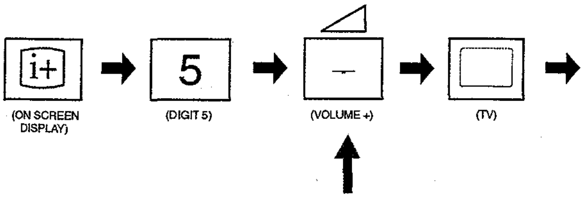
Turn off the power switch on the TV to stop the STANDBY indicator from flashing.

4. SELF-DIAGNOSTIC SCREEN DISPLAY

For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes off" that cannot be confirmed, it is possible to bring up past occurrences of failure on the screen for confirmation.

To bring up the screen test

In standby mode, press buttons on the remote commander sequentially in rapid sucession as shown below:



Note that this differs from entering the service mode (volume ⊞)

The following screen will be displayed indicating the error count.

```
SELF CHECK

1:   LAMP_ERROR     0
2:   TEMP_ERROR     0
2:   LAMP_TEMP      0
3:   LAMP_COVER     0
4:   FAN_ERROR      0
5:   LAMP_DRIVER    0
6:   LOWB_ERROR     0
7:   AUDIO_PROT     0
8:   D_OVP          0
10:  ATSC_OVP       0
```

Numeral "0" means that no fault was detected.
Numeral "1" means the number of a fault occurrence (1 ~ 255).

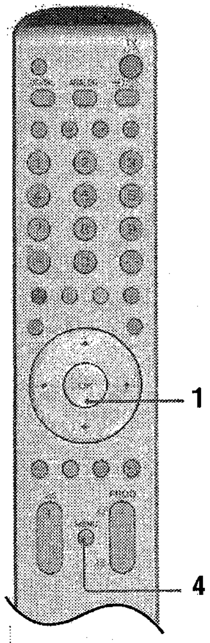
To clear the error display count press "8" then "0" on the remote commander.

To exit the self-diagnostic screen, turn off the power switch on the TV set.

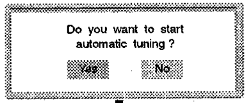
The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

7: Auto-tuning the TV

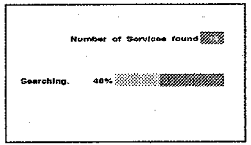
After selecting the language and country/region, a message confirming the TV start auto-tuning appears on the screen.
You must tune the TV to receive channels (TV broadcasts). Do the following to search and store all available channels.



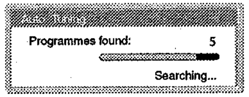
1 Press OK to select “Yes”.


Do you want to start automatic tuning ?

Digital auto-tune display DVB


Number of Services found
Searching. 40%

Analogue auto-tune display


Programmes found: 5
Searching...

The TV starts searching for all available digital channels followed by all available analogue channels. This may take some time, please be patient and do not press any buttons on the TV or remote.
Once all available digital and analogue channels have been stored, the TV returns to normal operation, displaying the digital channel stored on channel number 1. If no digital channels are found, the analogue channel stored on channel 1 is displayed.

When a message appears for you to confirm the aerial connections
No digital or analogue channels are found. Check all the aerial connections and press OK twice to start auto-tuning again.

2 The Programme Sorting menu appears on the screen.

Note

If some digital channel is found, this step will not appear

3 To change the order in which the channels are stored on the TV. See page 30.

4 Press MENU to exit.

The TV has now tuned in all the available channels.

Tip
DVB functions are available only for DVB countries (page 2).

Viewing pictures from connected equipment

Switch on the connected equipment, then perform one of the following operation.

For equipment connected to the scart sockets using a fully-wired 21-pin scart lead
Start playback on the connected equipment.
The picture from the connected equipment appears on the screen.

For an auto-tuned VCR page 11
Press PROG +/-, or the number buttons, to select the video channel. You can also press →⊡/⊕ repeatedly until the correct input symbol (see below) appears on the screen.

For other connected equipment
Press →⊡/⊕ repeatedly until the correct input symbol (see below) appears on the screen or press OK to access the Input signal index table. Press ➡ to select an input source, press ⬇/⬆, then press OK.

→⊡1/→⊟1, →⊡2/→⊟2:
Audio/video or RGB input signal through the scart socket ⊕/→⊟1 or 2. →⊟ appears only if an RGB source has been connected.

→⊟3:
Component input signal through the Y, PB/CB, PR/CR sockets →⊟/→⊙3, and audio input signal through the L/G/S/I, R/D/D/D sockets →⊟/→⊙3.

→⊡4/S-⊡4:
Video input signal through the video socket →⊡4, and audio input signal through the audio socket L/G/S/I (MONO), R/D/D/D sockets →⊙4. S-⊡ appears only if the equipment is connected to the S video socket S-⊡4 instead of the video socket →⊡4, and S video input signal is input through the S video socket S-⊡4.

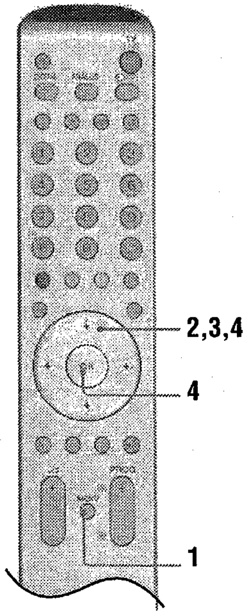
→⊟5:
RGB input signal through the PC connectors →⊟5, and audio input signal through the socket →⊙5.

→⊟6:
Digital audio/video signal is input through the HDMI IN 6 socket. Audio input signal is analogue only if the equipment has been connected using the DVI and audio out socket.

Additional operations

To	Do this
Return to the normal TV operation	Press DIGITAL or ANALOG.
Access the Input signal index table	Press OK. Press ➡ to select an input source, press ⬇/⬆, then press OK.

Navigating through menus



1 Press MENU to display the menu.

2 Press ⬆/⬇ to select a menu icon, press ➡.

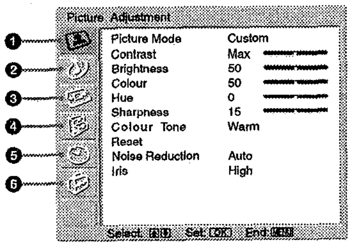
3 Press ⬆/⬇/⬅/➡ to select an option.

4 Press ⬆/⬇/⬅/➡ to change/set the setting, then press OK.
To exit the menu, press MENU.
To return to the last display, press ⬅.

Continued

Overview of the menus

The following options are available in each menu. For details on navigating through menus, see (page 19). Also, see page in parentheses for details of each menu.



Picture Mode Custom
Contrast Max
Brightness 50
Colour 50
Hue 0
Sharpness 15
Colour Tone Warm
Reset
Noise Reduction Auto
Iris High

❶ **Picture Adjustment**
- Picture Mode (21)
- Contrast/Brightness/Colour/Hue/ Sharpness (21)
- Colour Tone (21)
- Reset (22)
- Noise Reduction (22)
- Iris (22)

❷ **Sound Adjustment**
- Sound Effect (23)
- Treble/Bass/Balance (23)
- Reset (23)
- Dual Sound (24)
- Auto Volume (24)

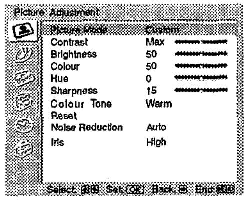
❸ **Screen**
- Auto Format (25)
- Screen Format (25)
- RGB Center (25)

❹ **Features**
- AV2 Output (26)
- TV Speakers (26)
- PC Adjustment (27)

❺ **Timer**
- Sleep Timer (28)
- Clock Set (28)
- Timer (28)

❻ **Set Up**
- Auto Start Up (29)
- Language (29)
- Country (29)
- Auto Tuning (30)
- Programme Sorting (30)
- Programme Labels (31)
- AV Preset (31)
  - Label/Skip
- Manual Programme Preset (31)
  - Programme/System/Channel/Label/AFT/ Audio Filter/Skip/Decoder/ATT/Confirm
- Digital Set Up (34)
  - Digital Tuning/Digital Set-up

Picture Adjustment menu



Picture Mode Custom
Contrast Max
Brightness 50
Colour 50
Hue 0
Sharpness 15
Colour Tone Warm
Reset
Noise Reduction Auto
Iris High

You can select the options listed below on the Picture Adjustment menu. To select options, see "Navigating through menus" (page 19).

Tip

When you set the "Picture Mode" option to "Vivid" or "Standard," you can adjust only "Contrast," and "Reset."

Picture Mode

Selects the picture mode.

1 Press OK to select "Picture Mode".

2 Press ↓/↑ to select one of the following picture modes, then press OK.

Vivid: For big lighted spaces.
Standard: Optimal picture for home use.
Custom: Allows you to store your own prefered settings.

Tip

You can change the picture mode by pressing ☼ repeatedly.

Contrast/Brightness/Colour/Hue/Sharpness

1 Press OK to select the option.

2 Press ←/→ to set the level, then press OK.

Tip

"Hue" can only be adjusted for an NTSC colour signal (e.g., U.S.A. video tapes).
"Brightness", "Colour", "Hue" and "Sharpness" only appear and can be adjusted if "Picture Mode" is set to "Custom".

Colour Tone

1 Press OK to select "Colour Tone".

2 Press ↓/↑ to select one of the following, then press OK.

Cool: Gives the white colours a blue tint.
Neutral: Gives the white colours a neutral tint.
Warm: Gives the white colours a red tint.

Tip

"Warm" only appears and can be adjusted if "Picture Mode" is set to "Custom".

Continued

Reset

Reset all the picture settings to the factory settings.

1 Press OK to select "Reset".

2 Press ↓/↑ to select "OK," then press OK.

Noise Reduction

Reduces the picture noise (snowy picture) in a weak broadcast signal.

1 Press OK to select "Noise Reduction".

2 Press ↓/↑ to select "Auto", then press OK.

Tip

This option cannot be used for an input signal from the Y, PB/CB, PR/CR sockets of ⊖/⊖3.

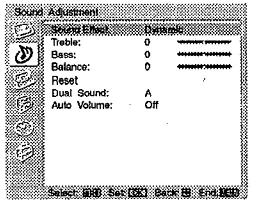
Iris

Enhances the contrast for dark scenes.

1 Press OK to select "Iris".

2 Press ↓/↑ to select "High", "Mid", "Low" or "Off" then press OK.

Sound Adjustment menu



Sound Adjustment

Sound Effect: Dynamic
Treble: 0
Bass: 0
Balance: 0
Reset
Dual Sound: A
Auto Volume: Off

You can select the options listed below on the Sound Adjustment menu. To select options, see "Navigating through menus" (page 19).

Sound Effect

1 Press OK to select "Sound Effect".

2 Press ↓/↑ to select one of the following sound effects, then press OK.

Natural: Enhances clarity, detail, and sound presence by using "BBE High definition Sound System[*1]."
Dynamic: Intensifies clarity and sound presence for better intelligibility and musical realism by using the "BBE High definition Sound System."
Dolby Virtual[*2]: Uses the TV speakers to simulate the surround effect produced by a multi channel system.
Off: Flat response.

Tips

You can change sound effect by pressing ♪ repeatedly.
If you set "Auto Volume" to "On", "Soud Effect" changes to "Natural".

[*1] Licensed by BBE Sound, Inc. under USP4638258, 4482866. "BBE" and BBE symbol are trademarks of BBE Sound, Inc.

[*2] Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol DD are trademarks of Dolby Laboratories.

Treble/Bass/Balance

Adjusts higher-pitched sounds (Treble), adjusts lower-pitched sounds (Bass), and emphasizes left or right speaker balance (Balance).

1 Press OK to select the option.

2 Press ←/→ to set the level, then press OK.

Reset

Resets the "Treble," "Bass" and "Balance" settings to the factory settings.

1 Press OK to select "Reset".

2 Press ↓/↑ to select "OK," then press OK.

Continued

Dual Sound

Selects the sound from the speaker for a stereo or bilingual broadcast.

1 Press OK to select "Dual Sound".

2 Press ↓/↑ to select one of the following, then press OK.

Stereo/Mono: For a stereo broadcast.
A/B/Mono: For a bilingual broadcast, select "A" for sound channel 1, "B" for sound channel 2, or "Mono" for a mono channel, if available.

Tip

If you select other equipment connected to the TV, set "Dual Sound" to "Stereo," "A" or "B."

Auto Volume

Keeps a constant volume level even when volume level gaps occur (e.g., adverts tend to be louder than programmes).

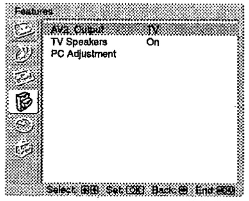
1 Press OK to select "Auto Volume".

2 Press ↓/↑ to select "On," then press OK.

Tip

If you set "Sound Effect" to "Dolby Virtual", "Auto Volume" will automatically be switched to "Off".

Features menu


Features
AV2 Output TV
TV Speakers On
PC Adjustment

You can select the options listed below on the Features menu. To select options, see "Navigating through menus" (page 19).

AV2 Output

Sets a signal to be output through the socket labelled ⇥/⇤2 on the rear of the TV. If you connect a VCR to the ⇥/⇤2 socket, you can then record from the equipment connected to other sockets of the TV.

1 Press OK to select "AV2 Output".

2 Press ↓/↑ to select one of the following, then press OK.

D-TV: Outputs a digital broadcast.
A-TV: Outputs an analogue broadcast.
AV1: Outputs signals from equipment connected to the ⇥/⇤1 socket.
AV4: Outputs signals from equipment connected to the ⇤4/S⇤4 socket.
Auto: Outputs whatever is being viewed on the screen.

TV Speakers

Turns off the TV speakers e.g. to listen to the sound through external audio equipment connected to the TV.

1 Press OK to select "TV Speakers".

2 Press ↓/↑ to select one of the following, then press OK.

On: the sound is output from the TV speakers.
One Time Off: the TV speakers are temporarily turned off allowing you to listen to the sound from external audio equipment.

Tip

The "TV speakers" option automatically returns to "On" when the TV set is switched off.

Permanent Off: the TV speakers are permanently turned off allowing you to listen to the sound from external audio equipment.

Tip

To turn on the TV speakers again, change to on.

PC Adjustment

Customizes the TV screen as a PC monitor.

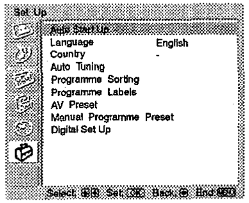
1 Press OK to select "PC Adjustment".

2 Press ↓/↑ to select one of the following, then press OK.

Phase: Adjust the screen when a part of a displayed text or image is not clear.
Pitch: Enlarges or shrinkes the screen size horizontally.
H Center: Moves the screen to the left or to the right.
V Center: Moves the screen up or down.
Power saving: Turns to standby mode if no PC signal is received.
Reset: Resets to the factory settings.

Tip
This option is only available if you are in PC Mode.

Set Up menu



You can select the options listed below on the Set Up menu. To select options, see "Navigating through menus" (page 19).

Auto Start Up

Starts the "first time operation menu" to select the language and country/region, and tune in all available digital and analogue channels. Usually, you do not need to do this operation because the language and country/region will have been selected and channels already tuned when the TV was first installed (13). However, this option allows you to repeat the process (e.g., to retune the TV after moving house).

1 Press OK to select "Auto Start Up".

2 Press OK to select "Yes."
The auto-tune display appears on the screen.

3 Follow steps of "6: Selecting the language and country/region" (page 12) and "7: Auto-tuning the TV" (page 13).

Language

Selects the language in which the menus are displayed.

1 Press OK to select "Language".

2 Press ↑/↓/←/→ to select the language, then press OK.
All menus will appear in the selected language.

Country

Selects the country/region where you operate the TV.

1 Press OK to select "Country".

2 Press ↑/↓ to select the country/region in which you will operate the TV, then press OK.
If the country/region in which you want to use the TV does not appear in the list, select "-" instead of a country/region.

Continued

Auto Tuning (Analogue mode only)

Tunes in all the available analogue channels.
Usually you do not need to do this operation because the channels are already tuned when the TV was first installed (page 13). However, this option allows you to repeat the process (e.g., to retune the TV after moving house, or to search for a new channels that have been launched by broadcasters).

1 Press OK to select "Auto Tuning".

2 Follow step 1 of "Auto-tuning the TV" (page 13).
When all available analogue channels have been tuned, the TV returns to normal operation.

Programme Sorting (Analogue mode only)

Changes the order in which the analogue channels are stored on the TV.

1 Press OK to select "Programme Sorting".

2 Press ↑/↓ to select the channel you want to move to a new position, then press OK.

3 Press ↑/↓ to select the new position for your channel, then press OK.

Repeat the procedure in steps 2 and 3 to move other channels if required.

Programme Labels (Analogue mode only)

Assigns a channel name of your choice up to five letters or numbers. The name will be displayed briefly on the screen when the channel is selected. (Names for channels are usually taken automatically from Text (if available).)

1 Press OK to select "Programme Labels".

2 Press ↑/↓ to select the channel you want to name, then press OK.

3 Press ↑/↓/←/→ to select the desired letter or number ("☐" for a blank space), then press OK.

If you input a wrong character
Press ↑/↓/←/→ to select ⊟/⊟ and press OK repeatedly until the wrong character is selected. Then, press ↑/↓/←/→ to select the correct character and press OK.

4 Repeat the procedure in step 3 until the name is complete.

5 Press ↑/↓/←/→ to select "End," then press OK.

AV Preset

Do the following options.

1 Press OK to select "AV Preset".

2 Press ↑/↓ to select the desired input source, then press OK.

3 Press OK. Then press ↑/↓ to select the desired option below, then press OK.

Option	Description
Label	Assigns a name to any equipment connected to the side and rear sockets. The name will be displayed briefly on the screen when the equipment is selected. Press ↑/↓ to select one of the following, then press OK. AV1 (or AV2/AV3/AV4/PC/HDMI) VIDEO/DVD/CABLE/ GAME/CAM/SAT: Uses one of these preset labels. Edit: Creates your own label. Follow steps 3 through 5 of Programme Labels (page 31). **Skip:** Skips an input source that is not connected to any equipment when you press ↑/↓ to select the input source. After selecting this option, press OK. **Sound Offset:** Sets an independent volume level to each equipment connected to the TV. Press → to select "Sound Offset", then press OK. Press ↑/↓ to select the desired volume level.

Manual Programme Preset (Analogue mode only)

Before selecting "Label"/"AFT"/"Audio Filter"/"Skip"/"Decoder"/"ATT", press PROG +/- to select the programme number with the channel. You cannot select a programme number that is set to skip (page 33).

1 Press OK to select "Manual Programme Preset".

2 Press ↑/↓ to select one of the following options, then press OK.

Continued

Option	Description
Programme	Presets programme channels manually. 1 Press ↑/↓ to select "Programme", then press OK. 2 Press ↑/↓ to select the programme number you want to manually tune (if tuning a VCR, select channel 0), then press ←.
System	3 Press ↑/↓ to select "System", then press OK. **Note** Depending on the country/region selected for "Country" (page 26), this option may not be available. 4 Press ↑/↓ to select one of the following TV broadcast systems, then press ←. B/G: for western European countries/regions D/K: for eastern European countries/regions I: for the United Kingdom L: for France
Channel	5 Press ↑/↓ to select "Channel", then press OK. 6 Press ↑/↓ to select "S" (for cable channels) or "C" (for terrestrial channels), then press →. 7 Tune the channels as follows: **If you do not know the channel number (frequency)** Press ↑/↓ to search for the next available channel. When a channel has been found, the search will stop. To continue searching, press ↑/↓. **If you know the channel number (frequency)** Press the number buttons to enter the channel number of the broadcast you want or your VCR channel number. 8 Press OK. 9 Press OK to select "Confirm", then press OK. Repeat the procedure above to preset other channels manually.
Label	Assigns a name of your choice, up to five letters or numbers, to the selected channel. This name will be displayed briefly on the screen when the channel is selected. 1 Follow steps 3 to 5 of "Programme Labels" (page 31). 2 Press OK to select "Confirm", then press OK.
AFT	Fine-tunes the selected programme number manually if you feel that a slight tuning adjustment will improve the picture quality. (Normally, fine tuning is performed automatically.) 1 Press ↑/↓ to adjust the fine tuning over a range of -15 to +15, then press OK. 2 Press OK twice. To restore automatic fine tuning, select "On" in step 1.

Option	Description
Audio Filter	Improves the sound for individual channels in the case of distortion in mono broadcasts. Sometimes a non-standard broadcast signal can cause sound distortion or intermittent sound muting when watching mono programmes. 1 Press ↑/↓ to select "Low" or "High", then press OK. If you do not experience any sound distortion, we recommend that you leave this option set to the factory setting "Off". 2 Press OK to select "Confirm", then press OK. Note You cannot receive stereo or dual sound when "Low" or "High" is selected.
Skip	Skips unused analogue channels when you press PROG +/- to select channels. (You can still select a skipped channel using the number buttons.) 1 Press ↑/↓ to select "Yes", then press OK. 2 Press OK to select "Confirm", then press OK. To restore a skipped channel, select "No" in step 1.
Decoder	Records the scrambled channel selected when using a decoder connected to the scart connector ⊖/⊖2 either directly or via a VCR. Note Depending on the country/region selected for "Country" (page 29), this option may not be available. 1 Press ↑/↓ to select "On", then press OK. 2 Press OK to select "Confirm", then press OK. To cancel this function afterwards, select "Off" in step 1.
ATT	Attenuates the RF signal. In case of a strong RF signal, some video interference may be displayed. 1 Press ↓/↑ to select "On", then press OK. 2 Press OK to select "Confirm", then press OK. Tip This option cannot be used if "AV2 Output" is set to "D-TV" (page 26)

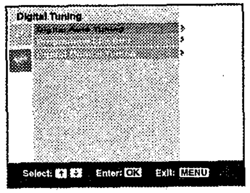
Continued

Digital Set Up DVB

Displays the "Digital Set Up" menu. You can change/set the digital settings using this menu.

1 Press OK to select "Digital Set Up".

2 Press ↓/↑ to select the desired icon below, then press OK.



Digital Tuning menu

3 Press ↓/↑ to select one of the following options, then press OK.

Option	Description
Digital Tuning	
Digital Auto Tuning	Tunes in all the available digital channels. Usually you do not need to do this operation because the channels are already tuned when the TV was first installed (page 13). However, this option allows you to repeat the process (e.g., to retune the TV after moving house, or to search for new channels that have been launched by broadcasters). 1 Press OK to start digital auto-tuning. When all available digital channels have been tuned, a message stating that the auto-tuning process is finished appears. 2 Press ←.
Programme List Edit	Removes any unwanted digital channels stored on the TV, and changes the order of the digital channels stored on the TV. 1 Press ↓/↑ to select the channel you want to remove or move to a new position. **If you know the channel number (frequency)** Press the number buttons to enter the three-digit programme number of the broadcast you want. **To display the previous or next five channels** Press the red button (previous) or the green button (next). 2 Remove or change the order of the digital channels as follows: **To remove the digital channel** Press OK. A message that confirms whether the selected digital channel is to be deleted appears. Press ← to select "Yes", then press OK. **To change the order of the digital channels** Press →, then press ↓/↑ to select the new position for the channel and press OK. Repeat the procedure in step 2 to move other channels if required. 3 Press ←.

Tip

DVB functions are available only for DVB countries (page 2)

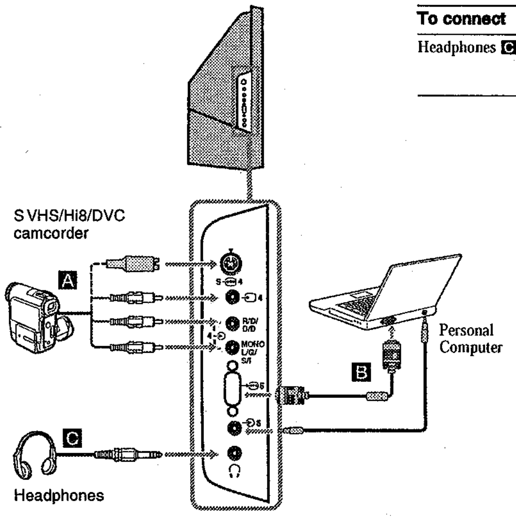
Option	Description
Digital Manual Tuning	Tunes the digital channels manually. 1 Press the number button to select the channel number you want to manually tune, then press ↓/↑ to tune the channel. 2 When the available channels are found, press ↓/↑ to select the channel you want to store, then press OK. **To display the previous or next five channels** Press the red button (previous) or the green button (next). 3 Press ↓/↑ to select the programme number where you want to store the new channel, then press OK. Repeat the procedure above to tune other channels manually.
Digital Set-up	Displays digital subtitles on the screen.
Subtitle Setting	Press ↓/↑ to select "Off", "Basic", or "For Hard of Hearing", then press OK. When "For hard of hearing" is selected, some visual aids may also be displayed with the subtitles (if TV channels broadcast such information).
Subtitle Language	Selects which language subtitles are displayed in. Press ↓/↑ to select the language, then press OK.
Audio Language	Selects the language used for a programme. Some digital channels may broadcast several audio languages for a programme. Press ↓/↑ to select the audio language, then press OK.
Audio Type	Increases the sound level (only for Hard of Hearing). Press ↓/↑ to select "Basic" or "For Hard of Hearing", then press OK.
Parental Lock	Sets an age restriction for programmes. Any programme that exceeds the age restriction can only be watched after a PIN Code is entered correctly. 1 Press the number buttons to enter your existing PIN code. If you have not previously set a PIN, a message appears to inform you. Press OK, then follow the instruction of "PIN code" below. 2 Press ↓/↑ to select the age restriction or "None" (for unrestricted watching), then press OK. 3 Press ←.

Option	Description
PIN Code	Sets a PIN code for the first time, or to change your PIN code. 1 Enter a PIN as follows: **If you have previously set a PIN** Press the number buttons to enter your existing PIN. **If you have not set a PIN:** Press the number buttons to enter the factory setting PIN of 9999. 2 Press the number buttons to enter the new PIN code. 3 When requested, press the number buttons to enter the new PIN again for confirmation. A message appears to inform you that the new PIN has been accepted. 4 Press ⇐. Tip PIN code 9999 is always accepted.
Technical Set-up	Displays the Technical Set-up menu. Do the following options. 1 Press ↓/↑ to select the desired option, then press OK. Auto Service Update: Enables the TV to detect and store new digital services as they become available. Software download: Enables the TV to automatically receive software updates, free through your existing aerial (when issued). Sony recommends that this option is set to "On" at all times. If you do not want your software to be updated, set this option to "Off". System Information: Displays the current software version and the signal level. Instead of step 2, Press ⇐. 2 Press ↓/↑ to select the "On", then press OK.
CA Module Set-up	This option will allow you to access a Pay Per View service once you obtain a Conditional Access Module (CAM) and a view card. See page 36 for the location of the 🔒 (PCMCIA) socket.

Connecting optional equipment

You can connect a wide range of optional equipment to your TV. Connecting cables are not supplied.

Connecting to the side of the TV



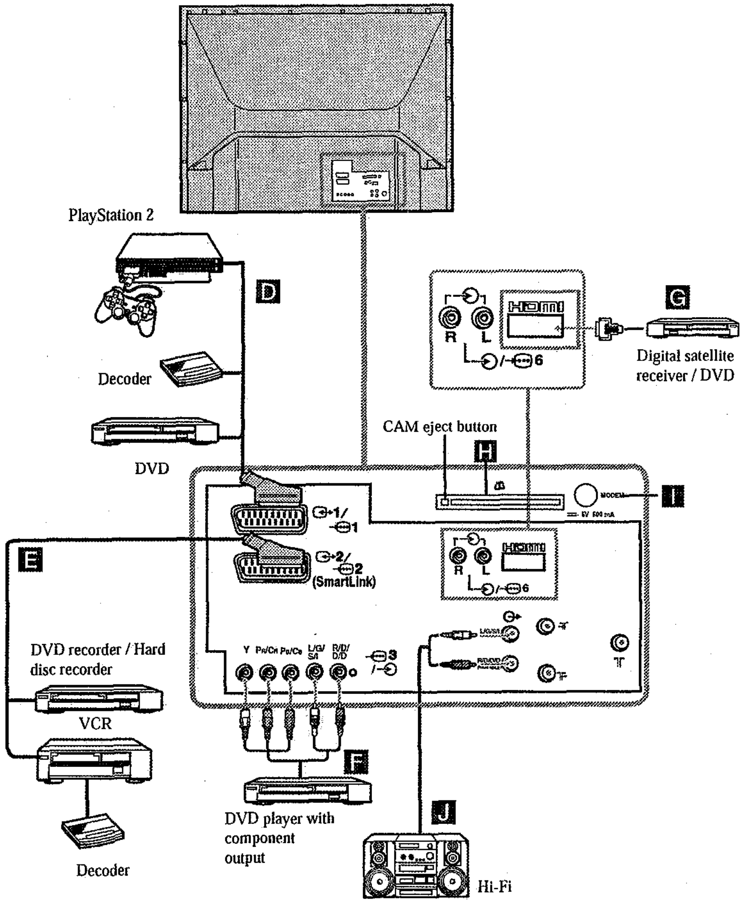
To connect	Do this
Headphones **C**	Connect to the Ω socket to listen to sound from the TV on headphones.

To connect	Do this
S VHS/Hi 8/DVC camcorder **A**	Connect to the S video socket S-⊕ 4 or the video socket -⊡ 4, and the audio sockets -⊙4. To avoid picture noise, do not connect the camcorder to the video socket -⊡ 4 and the S video socket S-⊕ 4 at the same time. If you connect mono equipment, connect to the L/G/S/I sockets -⊙4, and set "Dual Sound" to "A" (page 24).
Personal Computer **B**	Connect to the PC Input socket -⊕ 5 and the audio socket -⊙ 5.

Note:
It is recommended to use a PC cable with ferrites.

Continued

Connecting to the rear of the TV


PlayStation 2
D
Decoder
DVD
G
Digital satellite receiver / DVD
R
L
⊖/⊖6
CAM eject button
H
I
MODEM
⊕1/
⊖1
⊕2/
⊖2
(SmartLink)
R
L
⊖/⊖6
E
DVD recorder / Hard disc recorder
VCR
Decoder
Y
PB/CB PB/CB
L(G)/S/I
R(D)/D/D
⊖3
/⊖
F
DVD player with component output
J
Hi-Fi

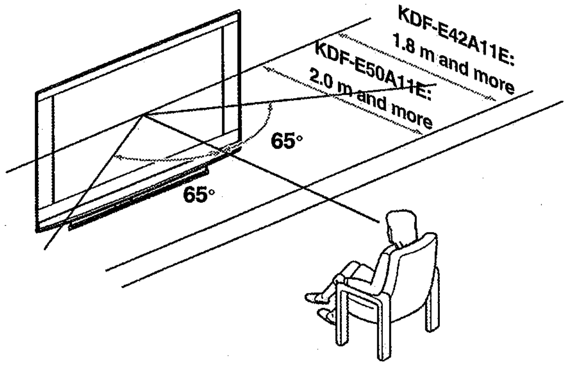
To connect	Do this
"PlayStation 2", DVD player or decoder **D**	Connect to the scart socket ⊕/⊖1. When you connect the decoder, the scrambled signal from the TV tuner is output to the decoder, then the unscrambled signal is output from the decoder.
DVD recorder or VCR that supports SmartLink **E**	Connect to the scart socket ⊕/⊖2. SmartLink is a direct link between the TV and a VCR/DVD recorder. For more information on SmartLink, refer to the instruction manual supplied with your VCR or DVD recorder.
DVD player with component output **F**	Connect to the component socket ⊖3 and the audio sockets ⊖3. The component signal containing 576p signal format and audio signal are input from the DVD player.
Digital satellite receiver **G**	Connect only to the HDMI IN 6 socket. The digital video and audio signals are input from the digital satellite receiver. If the digital satellite receiver has a DVI socket and not an HDMI socket, connect the DVI socket to the HDMI IN 6 socket, and connect the audio socket to the audio sockets HDMI IN 6. The digital video and analogue audio signals are input from the digital satellite receiver.
CAM (Conditional Access Module) **H** For encripted PPV (Pay per View) services.	Remove the dummy card from the CAM slot and insert the CAM. Insert the viewing card into the CAM.
Notes:	Switch off the TV before inserting the CAM. Keep always the dummy card into the CAM slot when you remove the CAM.
Modem connector **I**	For future use only.
Hi-Fi audio equipment **J**	Connect to the audio output sockets ⊖ to listen to the sound from the TV on Hi-Fi audio equipment. To turn off the sound of the TV speakers, set "Speaker" to "Off" (page 26).

Continued

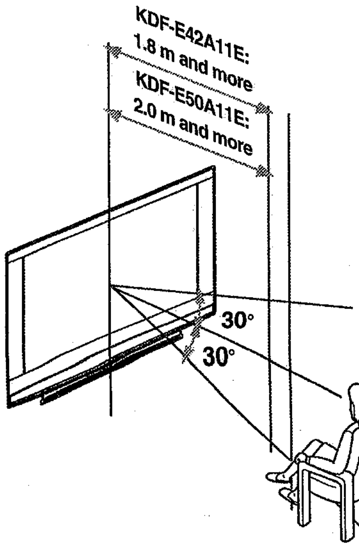
Optimum Viewing Area

For the best picture quality, try to position the TV set so that you can view the screen from within the areas shown below.

Horizontal viewing area



Vertical viewing area



Replacing the lamp

When the lamp becomes dark or the picture colour is not normal or the lamp indicator on the TV set flashes, replace with a new lamp.

Tips

Only use the lamp XL-2400 for replacement. If you use another lamp, it may cause damage to the TV set.

Do not remove the lamp except when replacing it.

Before replacing the lamp, turn off the power and disconnect the power cord.

Replace the lamp only after it becomes cool. The front glass of the lamp remains at least 100 °C (212 °F) even after the power has been turned off for 30 minutes.

Do not place the old lamp in proximity to children or flammable material.

Do not get the old lamp wet, or insert objects inside the lamp. It may cause the lamp to explode.

Do not place the old lamp near easily flammable objects, as this may cause fire. Also, do not put your hand inside the lamp compartment, as you may be burned.

Attach the new lamp securely. If it is not securely attached, the picture may become dark.

Do not touch or stain the front glass of the new lamp or the glass of the lamp compartment. If the glass become dirty, the picture quality may deteriorate or the lamp life may shorten.

Attach the lamp cover firmly. If it is not firmly attached, the power will not turn on.

When the lamp burns out, a noise is audible. This does not indicate damage to the TV set.

Consult your nearest Sony service center to obtain a new lamp.

Always remember to dispose of used lamps in an evironmentally friendly way.

1 Turn off the power and disconnect the power cord.

If you start changing the lamp without disconnecting the power cord, the standby indicator on the TV set flashes. Disconnect the power cord to continue changing the lamp.

2 Replace the lamp 30 minutes or more after the power is turned off to allow it to cool.

3 Take the new lamp out of the box.

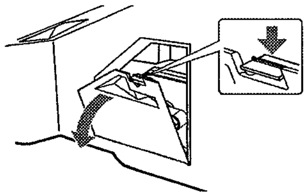
Do not touch the glass portion of the new lamp.

Tips

Do not shake the lamp. Vibration can damage the lamp or shorten its life.

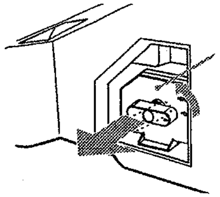
Avoid touching the front glass of a new lamp or the glass of the lamp receptacle. This may reduce picture quality or lamp life.

4 Remove the outside lamp cover



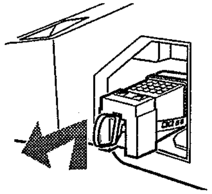
5 Remove the lamp door.

Turn the knob counterclockwise to OPEN and pull out the cover.



6 **Pull out the lamp.**

Hook a finger through the loop of the lamp handle and pull the handle upwards. Then pull the lamp straight out..

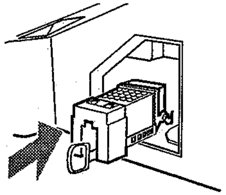


Tips

The lamp is very hot immediately after use. Never touch the glass portion of the lamp or the surrounding parts.
After the used lamp has cooled, place it into the empty box of the replacement lamp. Never put the used lamp into a plastic bag.

7 **Put the new lamp into its place.**

Mount the new lamp securely. Failure to do so may cause a fire or the screen to go dark.

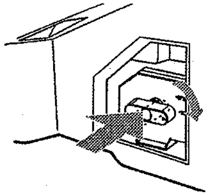


Tip

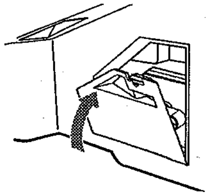
If the lamp is not securely reattached, the self-diagnostic function may be triggered and the POWER/STANDBY indicator flashes three times (see page 9).

8 **Reattach the lamp door.**

Turn the knob back to CLOSE and secure the cover.



9 **Put the outside lamp cover back in its place.**



Tips

Consult your Sony dealer for a Sony XL-2400 replacement lamp.
Take great care when replacing the lamp or plugging in/unplugging the connecting cords. Rough handling may cause the TV to fall, damaging the TV, the TV stand and the floor.

Specifications

Display Unit

Power Requirements:
220–240 V AC, 50 Hz
Screen Size:
KDF-E50A11E: 50 inches
KDF-E42A11E: 42 inches
Display Resolution (horizontal x vertical):
1280 dots x 720 lines
Power Consumption:
175 W
Standby Power Consumption:
0,8 W
Dimensions (w × h × d):
KDF-E50A11E:
Approx. 825 x 1180 x 395 mm
KDF-E42A11E:
Approx. 720 x 1000 x 350 mm
Weight:
KDF-E50A11E:
Approx. 29.6 kg
KDF-E42A11E:
Approx. 25.1 kg

Panel System

LCD (Liquid Crystal Display) Panel

TV System

Analogue: Depending on your country/region selection:
B/G/H, D/K, L, I.
Digital: DVB-T.

Colour/Video System

Analogue: PAL, SECAM.
NTSC 3.58, 4.43 (only Video In)
Digital: MPEG-2 MP@ML

Aerial

75 ohm external terminal for VHF/UHF

Channel Coverage

Analogue:	VHF:	E2–E12
	UHF:	E21–E69
	CATV:	S1–S20
	HYPER:	S21–S41
	D/K:	R1–R12, R21–R69
	L:	F2–F10, B–Q, F21–F69
	I:	UHF B21–B69
Digital:	VHF/UHF	

Terminals

AV1: ⇔/⇥1
21-pin Scart connector (CENELEC standard) including audio/video input, RGB input, and TV audio/video output.

AV2: ⇔/⇥2 (SMARTLINK)
21-pin Scart connector (CENELEC standard) including audio/video input, RGB input, selectable audio/video output, and SmartLink interface

AV3: ⇥3
Y:1 Vp-p, 75 ohms, 0.3V negative sync
PB:0.7 Vp-p, 75 ohms
PR:0.7 Vp-p, 75 ohms
⇥3 Audio input (phono jacks)
500 mVrms
Impedance: 47 kilo ohms

AV4: S-⇥4S video input (4-pin mini DIN)
⇥4 Video input (phono jack)
⇥4 Audio input (phono jacks)

AV5: ⇥5
PC Input (15 Dsub) (see page 36)
G: 0.7 Vp-p, 75 ohms, non Sync on Green
B: 0.7 Vp-p, 75 ohms, non Sync on Green
R: 0.7 Vp-p, 75 ohms, non Sync on Green
HD: 1-5 Vp-p
VD: 1-5 Vp-p
⇥ PC audio input: minijack.

↤ Audio output (Left/Right) (phono jacks)

AV6: ⇥6
HDMI: Video: 480i, 576i, 480p, 576p, 720p, 1080i
Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16, 20 and 24 bits.
AUDIO:500 mVrms (100% modulation)
Impedance: 47 kilohms

🎧 Headphones jack

⊡ CAM (Conditional Access Module) slot

MODEM
Modem jack (Not supported on this TV)

Sound Output

10 W +10 W (RMS)

Supplied Accessories

Remote RM-ED002 (1)
Size AA batteries (R6 type) (2)
Coaxial cable (1)

Optional Accessories

TV stand SU-RG11S (KDF-E42A11E)
TV stand SU-RG11M (KDF-E50A11E)
Lamp: XL-2400

Design and specifications are subject to change without notice.

PC Input Specifications

PC Input Timing

Input signal frequency:
Horizontal: 31,4 - 48,4 KHz.
Vertical: 59 - 61 Hz.
Maximum Resolution: 1024 dots x -768 lines.

Preset mode timing table for PC ⇥

Nº	Resolution (dots x lines)	Graphic mode	Horizontal frequency (kHz)	Vertical frequency (Hz)
1	640 x 480	VESA 60	31.469	59.940
2	800 x 600	VESA 60	37.879	60.317
3	1024 x 768	VESA 60	48.363	60.004

This TV does not support Sync on Green or Composite Sync.
If a signal other than in the above chart is input, it may not be displayed properly or may not be displayed as you set.
Using the Vertical frequency (Hz) of the personal computer at 60 is recommended.

Troubleshooting

Check whether the ⏻ (standby) indicator is flashing in red.

When it is flashing

The self-diagnosis function is activated.

1 Measure how long the ⏻ (standby) indicator flashes and stops flashing.
For example, the indicator flashes for two seconds, stops flashing for one second, and flashes for two seconds.
2 Press ⏻ on the TV (Front side) to switch it off, disconnect the mains lead, and inform your dealer or Sony service centre of how the indicator flashes (duration and interval).

When it is not flashing

1 Check the items in the tables below.
2 If the problem still persists, have your TV serviced by qualified service personnel.

Picture

Problem	Cause/Remedy
No picture (screen is dark) and no sound	Check the aerial connection. Connect the TV to the mains, and press ⏻ on the TV (front side). If the ⏻ (standby) indicator lights up in red, press TV I/⏻.
No picture or no menu information from equipment connected to the scart connector	Check that the optional equipment is on and press ⇥/⊟ repeatedly until the correct input symbol is displayed on the screen. Check the connection between the optional equipment and the TV.
Distorted picture	When installing optional equipment, leave some space between the optional equipment and the TV. When changing programmes or selecting Text, turn off any equipment connected to the scart connector on the rear of the TV.
Double images or ghosting	Check aerial/cable connections. Check the aerial location and direction.
Only snow and noise appear on the screen	Check if the aerial is broken or bent. Check if the aerial has reached the end of its serviceable life (three to five years in normal use, one to two years at the seaside).
Picture (dotted lines or stripes) noise	Keep the TV away from electrical noise sources such as cars, motorcycles, or hair-dryers. Make sure that the aerial is connected using the supplied coaxial cable. Keep the aerial cable away from other connecting cables. Do not use a 300-ohm twin lead cable as interference may occur.
Picture noise when viewing a TV channel	Select "Manual Programme Preset" in the "Set Up" menu and adjust "AFT" (Automatic Fine Tuning) to obtain better picture reception (page 32). Select "Noise Reduction" in the "Picture Adjustment" menu to reduce the noise in the picture (page 22).
Stripe noise during playback/ recording of a VCR	Video head interference. Keep your VCR away from the TV. Leave a space of 30 cm between your VCR and the TV to avoid noise. Avoid installing your VCR in front of the TV or beside the TV.
Some tiny black points and/or bright points on the screen	The picture of a display unit is composed of pixels. Tiny black points and/or bright points (pixels) on the screen do not indicate a malfunction.

Problem	Cause/Remedy
No colour on programmes	Select "Reset" in the "Picture Adjustment" menu to return to the factory settings (page 22).
No colour or irregular colour when viewing a signal from the Y, PB/CB, PR/CR jacks of ⊖3	Check the connection of the Y, PB/CB, PR/CR jacks of ⊖3. Make sure that the Y, PB/CB, PR/CR jacks of ⊖3 are firmly seated in their respective sockets.

Sound

Problem	Cause/Remedy
No sound, but good picture	Press ◢ +/– or 🔇 (Mute). Check that "TV Speakers" is set to "on" in the "Features" menu (page 26).
Noisy sound	See the "Picture noise" causes/remedies on page 46.

Channels

Problem	Cause/Remedy
The desired channel cannot be selected	Switch between digital and analogue mode and select the desired digital/ analogue channel.
Some channels are blank	Scrambled/Subscription only channel. Subscribe to the Pay Per View service. Channel is used only for data (no picture or sound). Contact the broadcaster for transmission details.
Digital channel is not displayed	Check that the aerial is plugged directly into the TV (not through other equipment). Contact a local installer to find out if digital transmissions are provided in your area. Upgrade to a higher gain aerial.

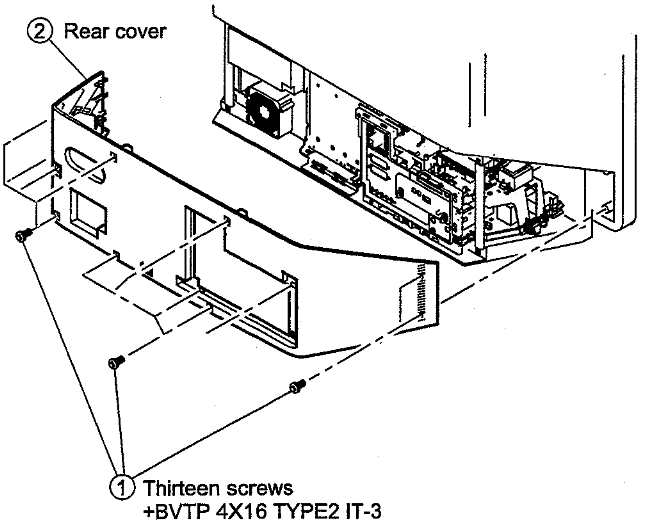
General

Problem	Cause/Remedy
The TV turns off automatically (the TV enters standby mode)	Check if the "Timer" is activated (page 28). If no signal is received or no operation is performed in the TV mode for 10 minutes, the TV automatically switches to standby mode.
The TV turns on automatically	Check if the "Timer" is activated (page 28)
Some input sources cannot be selected	Select "AV Preset" in the "Set Up" menu and cancel "Skip" of the input source (page 31).
The remote does not function	Replace the batteries.
The lamp indicator 💡 on front of the TV set is lit.	Turn the TV off. Turn the TV on again, if the lamp indicator is still lit then replace the internal lamp. For details refer to page 39 to 41.

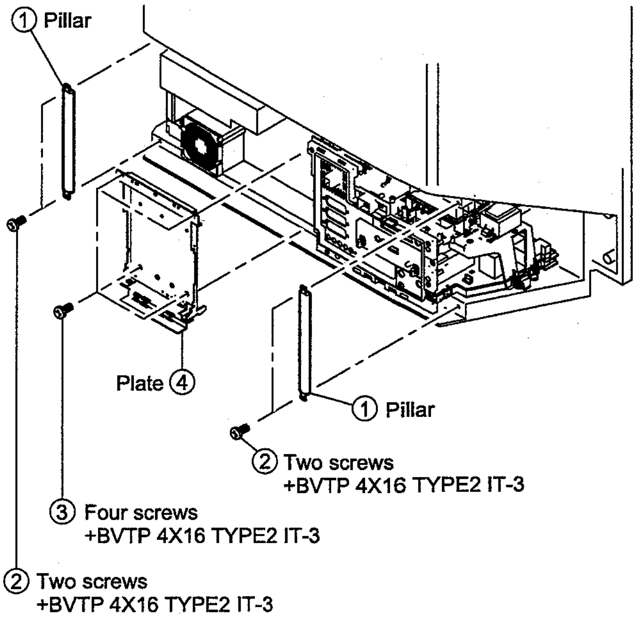
Continued

SECTION 3 DISASSEMBLY

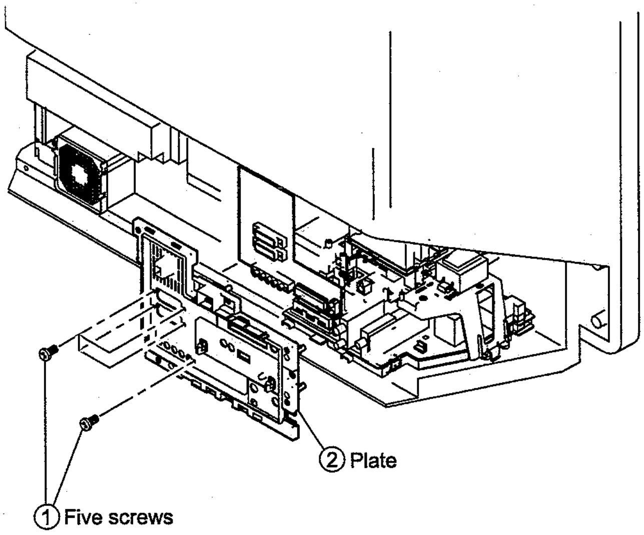
3-1. REAR COVER REMOVAL


② Rear cover
① Thirteen screws
+BVTP 4X16 TYPE2 IT-3

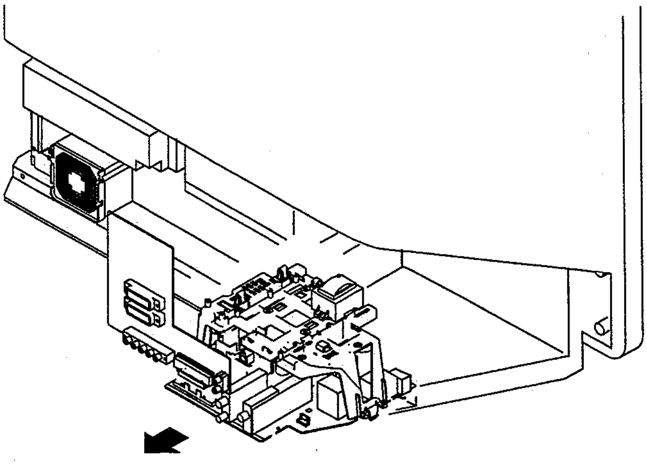
3-2. PILLAR REMOVAL


① Pillar
Plate ④
① Pillar
② Two screws
+BVTP 4X16 TYPE2 IT-3
③ Four screws
+BVTP 4X16 TYPE2 IT-3
② Two screws
+BVTP 4X16 TYPE2 IT-3

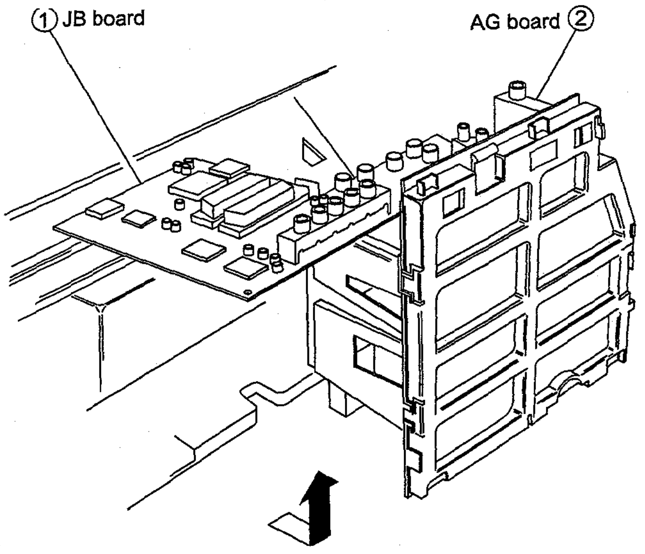
3-3. MAIN BRACKET COVER REMOVAL


② Plate
① Five screws

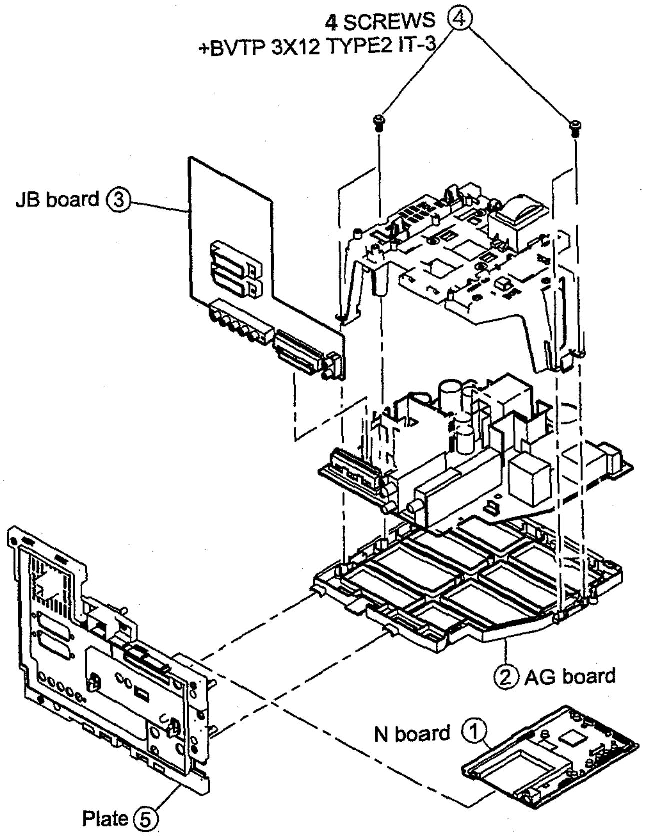
3-4. MAIN BRACKET REMOVAL



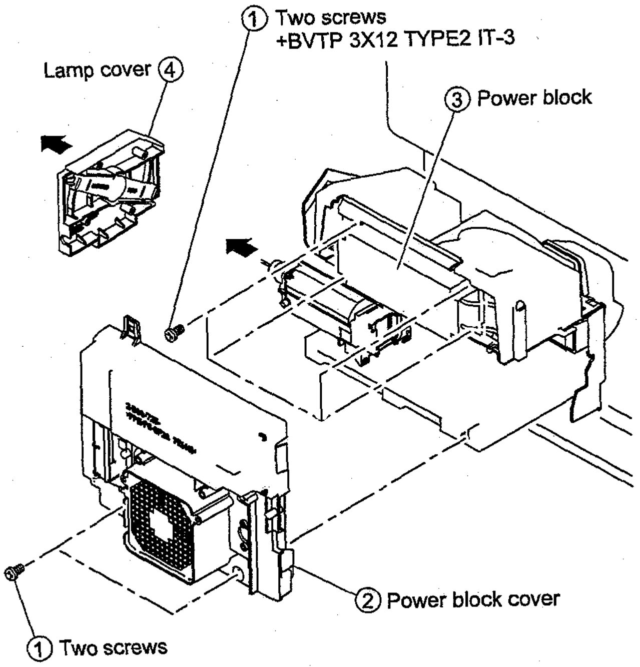
3-5. SERVICE POSITION


① JB board
AG board ②

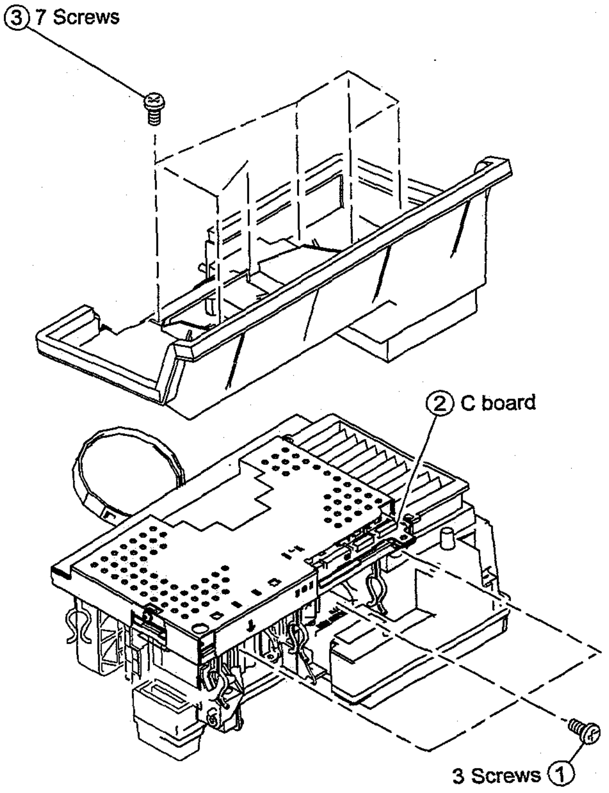
3-6. N, JB, AG BOARDS


4 SCREWS ④
+BVTP 3X12 TYPE2 IT-3
JB board ③
② AG board
N board ①
Plate ⑤

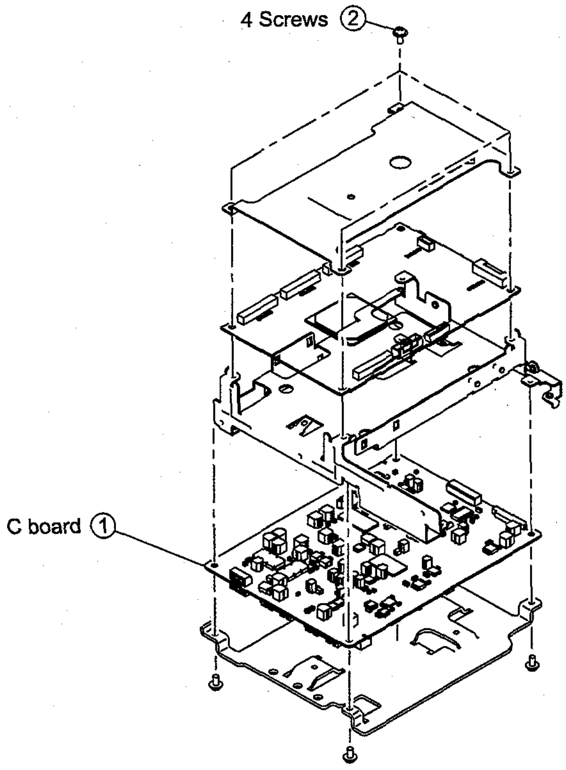
3-7. POWER BLOCK REMOVAL


① Two screws
+BVTP 3X12 TYPE2 IT-3
Lamp cover ④
③ Power block
② Power block cover
① Two screws

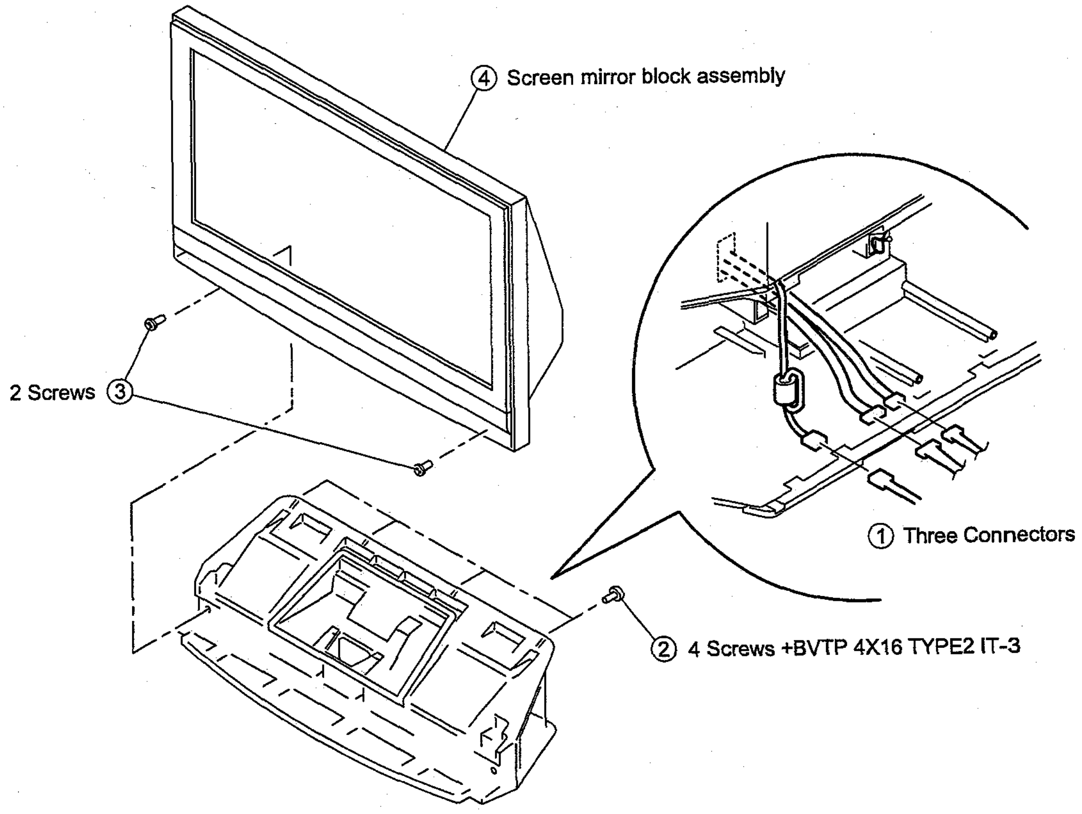
3-8. OPTICAL UNIT


③ 7 Screws
② C board
3 Screws ①

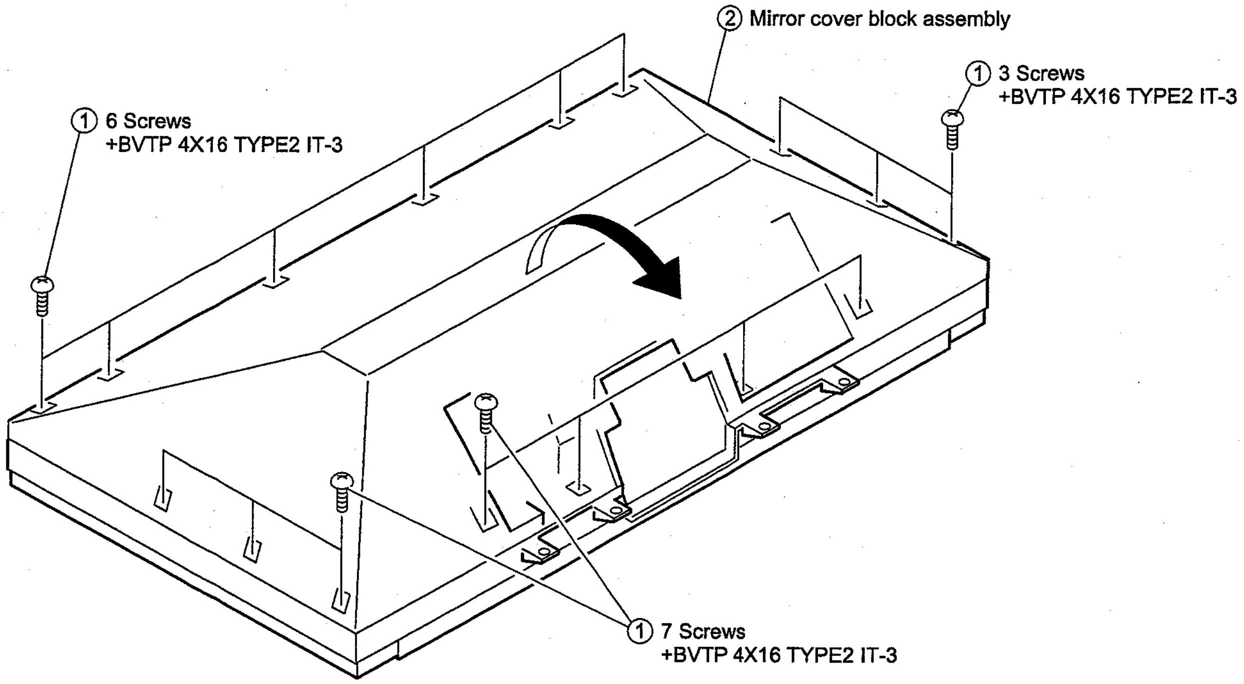
3-9. C BOARD REMOVAL


4 Screws ②
C board ①

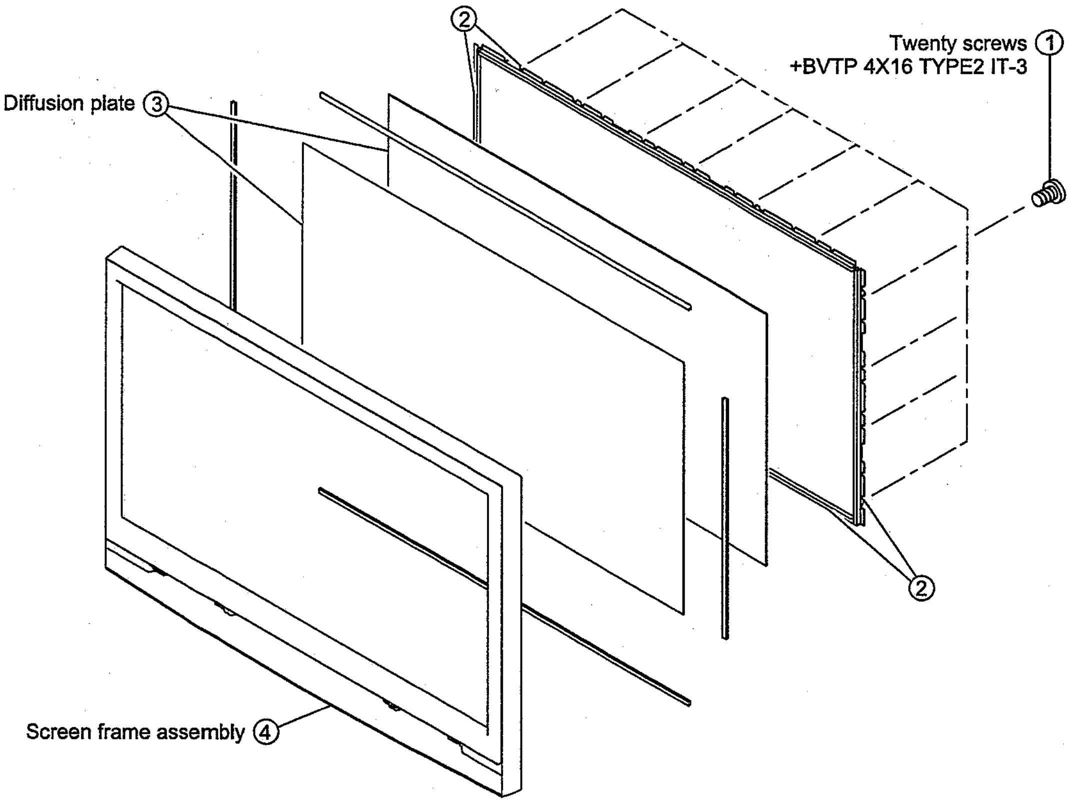
3-10. SCREEN, MIRROR BLOCK ASSEMBLY REMOVAL


④ Screen mirror block assembly
2 Screws ③
① Three Connectors
② 4 Screws +BVTP 4X16 TYPE2 IT-3

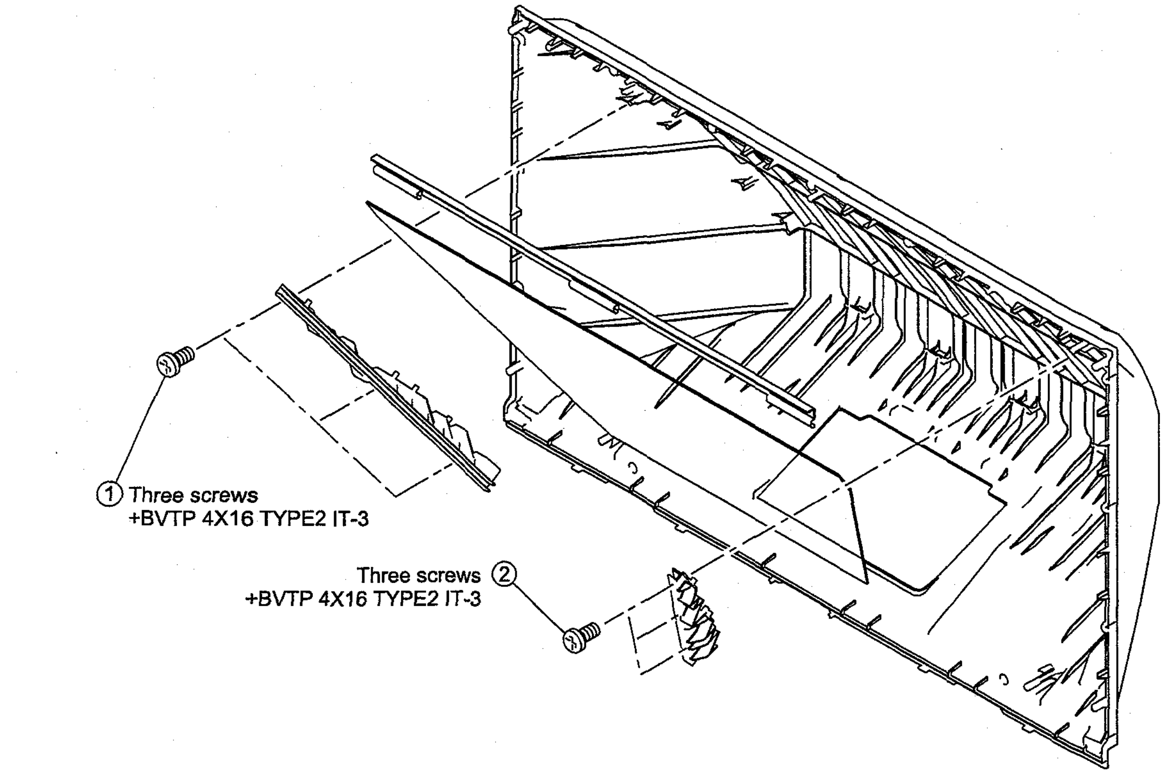
3-11. MIRROR COVER BLOCK ASSEMBLY REMOVAL


② Mirror cover block assembly
① 3 Screws
+BVTP 4X16 TYPE2 IT-3
① 6 Screws
+BVTP 4X16 TYPE2 IT-3
① 7 Screws
+BVTP 4X16 TYPE2 IT-3

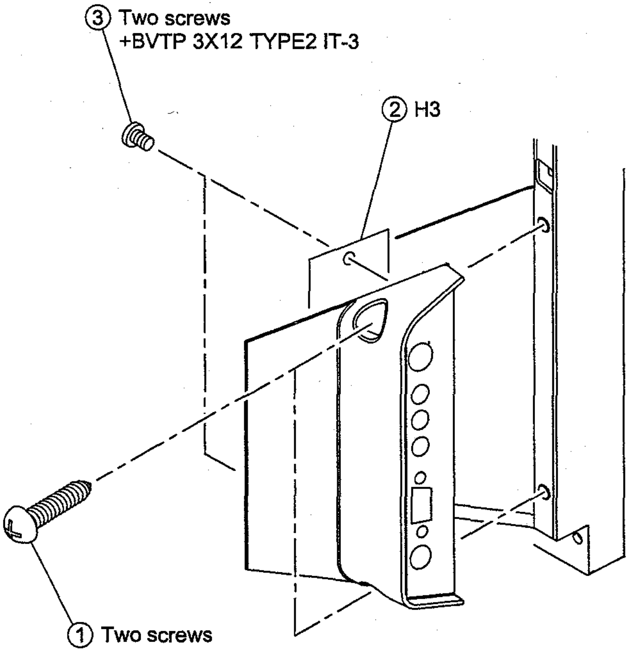
3-12. CONTRAST SCREEN, DIFFUSION PLATE REMOVAL


②
Twenty screws ①
+BVTP 4X16 TYPE2 IT-3
Diffusion plate ③
②
Screen frame assembly ④

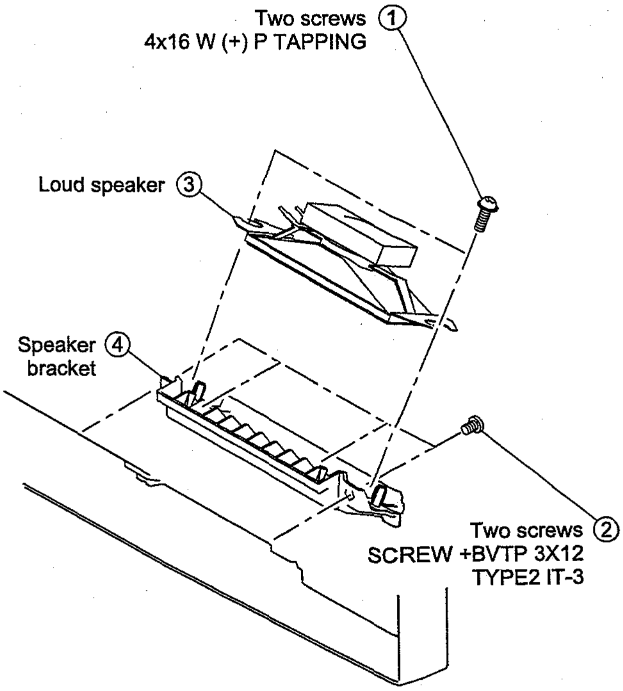
3-13. MIRROR REMOVAL


① Three screws
+BVTP 4X16 TYPE2 IT-3
Three screws ②
+BVTP 4X16 TYPE2 IT-3

3-14. H3 REMOVAL


③ Two screws
+BVTP 3X12 TYPE2 IT-3
② H3
① Two screws

3-15. SPEAKER REMOVAL


Two screws ①
4x16 W (+) P TAPPING
Loud speaker ③
Speaker ④
bracket
Two screws ②
SCREW +BVTP 3X12
TYPE2 IT-3

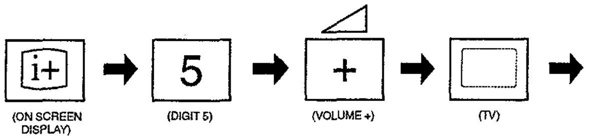
SECTION 4 SET-UP ADJUSTMENTS

4-1. Signal Adjustment

Service adjustments to this model can be performed using the supplied remote Commander RM-ED002.

How to enter into the Service Mode

1. Turn on the power to the TV set and enter into the stand-by mode.
2. Press the following sequence of buttons on the Remote Commander.



'TT—' will appear in the upper right corner of the screen. Other status information will also be displayed.

3. Press 'MENU' on the remote commander to obtain the following menu on the screen.

```
Trident SVP EX
Chroma Decoder
LCD Drives
Digital Gamma
Lamp Menu
Sound
IF Adjust
AV Switch
Service Menu (White Balance)
Error menu

LE4B  v0.12B          NVM v255
Factory data: 11111111
Working Time: 13:32
```

4. Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
5. Press the right arrow button to enter into the required menu item.
6. Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note :

- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

4-1-1. PAL auto adjustment (CVBS)

1. Select AV1 and input PAL signal. (PAL CVBS: CB 75%Y/75%C from signal generator).
2. Set the TV in Service Mode (See above) and send "TT51" command.

4-1-2. PAL auto adjustment (RGB)

1. Select AV1 and input RGB signal. (PAL RGB: CB 100%Y/100%C from signal generator).
2. Set the TV in Service Mode (See above) and send "TT52" command.

4-1-3. SECAM auto adjustment (CVBS)

1. Select AV1 and input SECAM signal. (SECAM CVBS: CB 75%Y/75%C from signal generator).
2. Set the TV in Service Mode (See above) and send "TT53" command.

Note :

- While Auto adjustment is in process the RED LED is ON, till it finishes.

4-2. White Balance Adjustment

4-2-1. White Balance adjustment (H/L)

1. Select AV0.
2. Change the TV to Custom Mode and set the following registers by sending "TT54".

COLORTONE	NEUTRAL
U_PIC_OFFSET	240
U_BRT_OFFSET	252
U_COLOR_OFFSET	128
COLOR_EMH	0
CONTRAST	MAX
BRIGHTNESS	50
COLOR	0
HUE	0
SHARPNESS	0
BACKLIGHT	MAX
AUTO NR	OFF
BLACK_ST TABLE	0
LIGHT SENSOR	OFF
POWER SAVING	STANDARD

3. Input PAL CVBS 60 IRE Full Field Signal to AV1.
4. Adjust Highlight registers:

NORMAL_PAL_RD (R Drive)
NORMAL_PAL_BD (B Drive)

High light adjustment value (9300K-0MPCD)

4-2-2. White Balance adjustment (C/O)

1. Select AV0.
2. Change the TV to Custom Mode and set the following registers by sending "TT54".

COLORTONE	NEUTRAL
U_PIC_OFFSET	240
U_BRT_OFFSET	252
U_COLOR_OFFSET	128
COLOR_EMH	0
CONTRAST	MAX
BRIGHTNESS	50
COLOR	0
HUE	0
SHARPNESS	0
BACKLIGHT	MAX
AUTO NR	OFF
BLACK_ST TABLE	0
LIGHT SENSOR	OFF
POWER SAVING	STANDARD

3. Input PAL CVBS 20 IRE Full Field Signal to AV1.
4. Adjust CutOff registers:

NORMAL_PAL_RC (R cutoff)
NORMAL_PAL_BC (B cutoff)

Low light (Cut Off) adjustment value (9300K-0MPCD)

4-2-3. SECAM White Balance adjustment (H/L)

1. Select AV0.
2. Change the TV to Custom Mode and set the following registers by sending "TT54".

COLORTONE	NEUTRAL
U_PIC_OFFSET	240
U_BRT_OFFSET	252
U_COLOR_OFFSET	128
COLOR_EMH	0
CONTRAST	MAX
BRIGHTNESS	50
COLOR	0
HUE	0
SHARPNESS	0
BACKLIGHT	MAX
AUTO NR	OFF
BLACK_ST TABLE	0
LIGHT SENSOR	OFF
POWER SAVING	STANDARD

3. Input SECAM CVBS 60 IRE Full Field Signal to AV1.
4. Adjust Drive registers:

SECAM_OFFSET_RD (R Drive)
SECAM_OFFSET_BD (B Drive)

High light adjustment value (9300K-0MPCD)

4-2-4. SECAM White Balance adjustment (C/O)

1. Select AV0.
2. Change the TV to Custom Mode and set the following registers by sending “TT54”.

COLORTONE	NEUTRAL
U_PIC_OFFSET	240
U_BRT_OFFSET	252
U_COLOR_OFFSET	128
COLOR_EMH	0
CONTRAST	MAX
BRIGHTNESS	50
COLOR	0
HUE	0
SHARPNESS	0
BACKLIGHT	MAX
AUTO NR	OFF
BLACK_ST TABLE	0
LIGHT SENSOR	OFF
POWER SAVING	STANDARD

3. Input SECAM CVBS 20 IRE Full Field Signal to AV1.
4. Adjust CutOff registers:

SECAM_OFFSET_RC (R cutoff)
SECAM_OFFSET_BC (B cutoff)

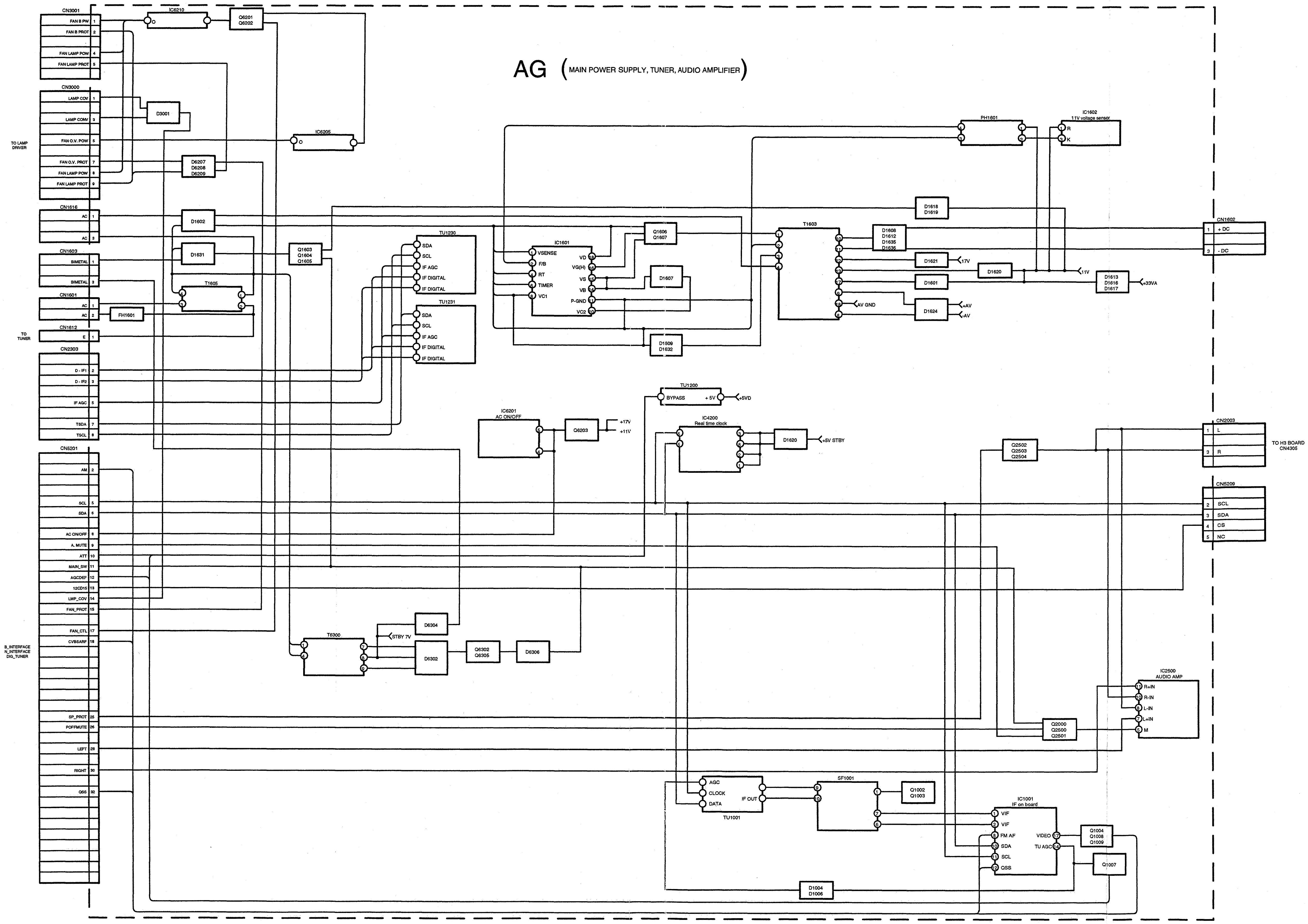
Low light (Cut Off) adjustment value (9300K-0MPCD)

4-3. TEST TEST MODE

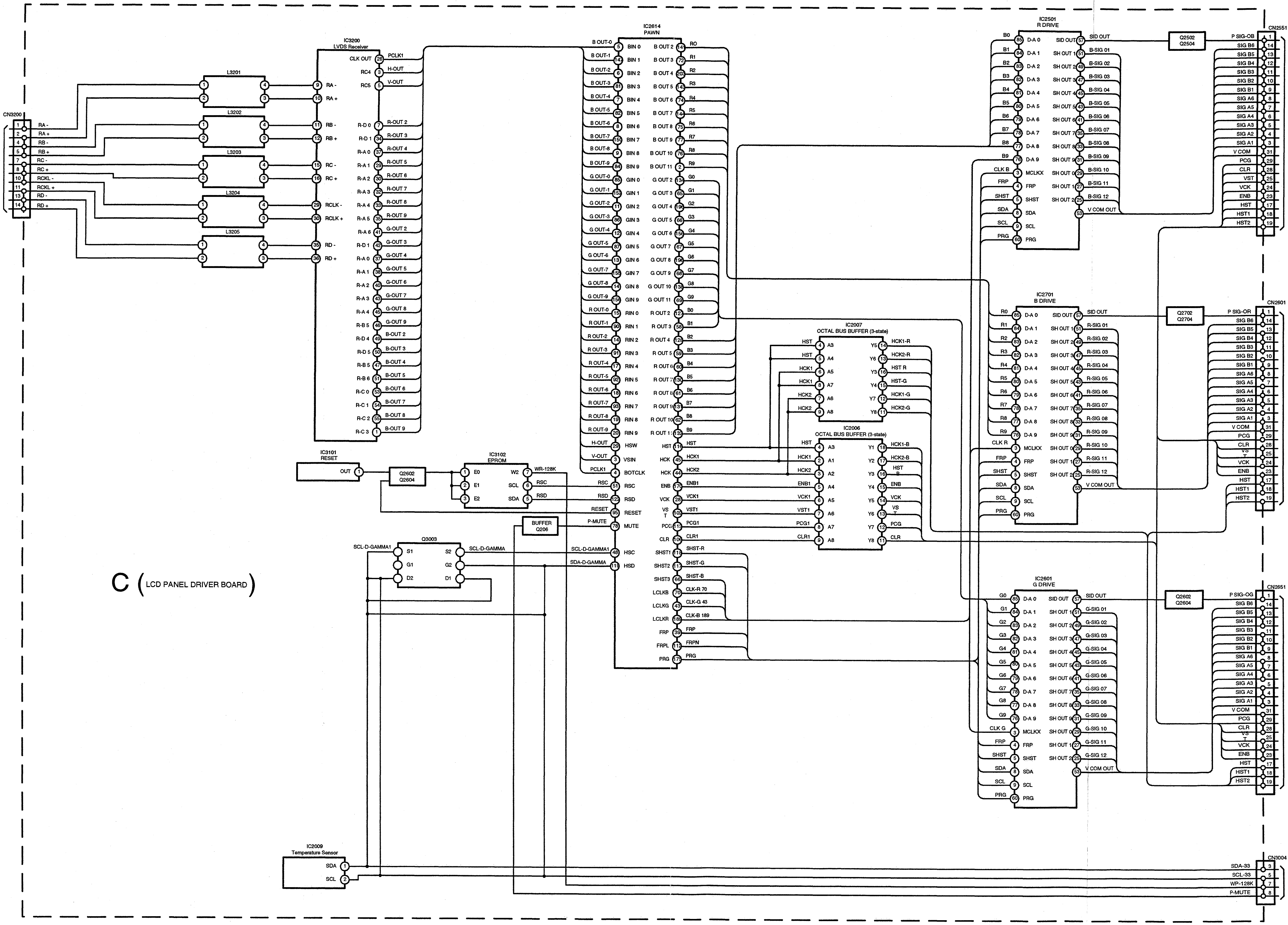
Test Test Mode is available in Service Mode, OSD ‘TT’ appears. The functions described below are available by selecting the two numbers. To release ‘Test Test mode’, press 00 or switch the TV set into Stand-by mode.

00	'TT' mode off
01	Picture maximum
02	Picture minimum
03	Set Volume to 35%
04	Set Volume to 50%
05	Set Volume to 65%
06	Set Volume to 80%
07	Ageing mode
08	Shipping Condition
16	Picture level 50%
19	Factory Mode toggle (on/off)
24	U Destination
25	AEP Destination
27	CBA mode toggle (ON/OFF)
31	ECS mode toggle (ON/OFF)
32	Set BCN channels preset
33	FILMODE toggle (ON/OFF)
34	Set INY channels preset
41	Re-initialise NVM
43	Select Dual Sound A
44	Select Dual Sound B
45	Select Dual Sound Mono
46	Select Dual Sound Stereo
48	Set NVM as non-virgin
49	Set NVM as virgin
51	PAL Auto adjustment
52	RGB Auto adjustment
53	SECAM Auto adjustment
54	WB Init conditions
55	Watchdog toggle
56	Reset all channel attenuations
62	Toggle Digital mode flag
63	AM from baseband (AFRIC)
64	set 40" settings
67	MSP Auto Carrier Mute function enable/disable
71	Set 19" settings
72	Set 23" settings
73	Set 26" settings
74	Set 32" settings
75	Balance to center position
76	Volume maximum
77	Volume minimum
78	Balance full left
79	Balance full right
81	Digital BER display
82	Digital Service menu
83	Digital colour bar output from DENC
84	TS CI path through
85	Digital tuner power down
86	Switch between two digital SW banks
87	Local keys test
88	Digital shipping conditions
89	LED test
93	I2S / analogue audio used for Digital sound
96	Digital Debug ouput: Enable / Disable
97	Digital 656 output Enable / Disable
98	Digital Auto Reset function Enable / Disable
99	Display Error and Working Time menu

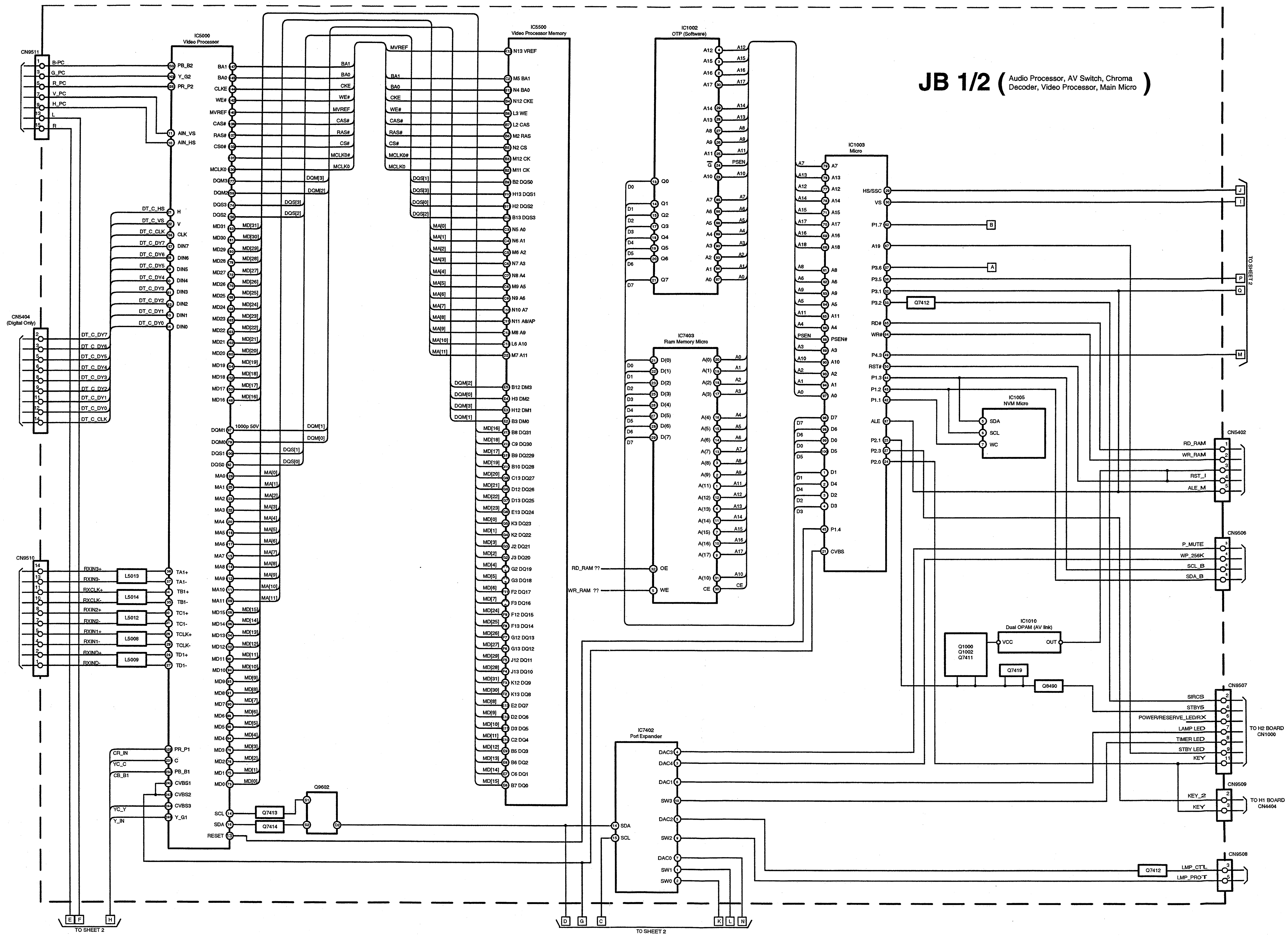
BLOCK DIAGRAMS (1)


AG (MAIN POWER SUPPLY, TUNER, AUDIO AMPLIFIER)
CN3001
FAN B PW 1
FAN B PROT 2
FAN LAMP POW 4
FAN LAMP PROT 5
CN3000
LAMP COV 1
LAMP CONV 3
FAN O.V. POW 5
FAN O.V. PROT 7
FAN LAMP POW 8
FAN LAMP PROT 9
TO LAMP DRIVER
CN1616
AC 1
AC 3
CN1603
BIMETAL 1
BIMETAL 3
CN1601
AC 1
AC 2
CN1612
E 1
TO TUNER
CN2303
D - IF1 2
D - IF2 3
IF AGC 5
TSDA 7
TSCL 8
CN5201
AM 2
SCL 5
SDA 6
AC ON/OFF 8
A. MUTE 9
ATT 10
MAIN_SW 11
AGCDEF 12
12CD15 13
LMP_COV 14
FAN_PROT 15
FAN_CTL 17
CVBSARF 18
SP_PROT 25
POFFMUTE 26
LEFT 28
RIGHT 30
QSS 32
B_INTERFACE
N_INTERFACE
DIG_TUNER
IC6210
Q6201
Q6202
D3001
IC6205
D6207
D6208
D6209
D1602
D1631
T1605
FH1601
Q1603
Q1604
Q1605
TU1230
SDA
SCL
IF AGC
IF DIGITAL
IF DIGITAL
TU1231
SDA
SCL
IF AGC
IF DIGITAL
IF DIGITAL
IC1601
VSENSE
F/B
RT
TIMER
VC1
VD
VG(H)
VS
VB
P-GND
VC2
Q1606
Q1607
D1607
D1609
D1632
T1603
AV GND
D1608
D1612
D1635
D1636
D1618
D1619
D1621
17V
D1620
11V
D1601
D1624
+AV
-AV
D1613
D1616
D1617
+33VA
PH1601
IC1602
11V voltage sensor
R
K
CN1602
1 + DC
3 - DC
TU1200
BYPASS
+ 5V
+5VD
IC6201
AC ON/OFF
Q6203
+17V
+11V
IC4200
Real time clock
D1620
+5V STBY
Q2502
Q2503
Q2504
CN2003
1 L
3 R
TO H3 BOARD
CN4305
CN5209
2 SCL
3 SDA
4 CS
5 NC
T6300
D6304
STBY 7V
D6302
Q6302
Q6305
D6306
IC2500
AUDIO AMP
R+IN
R-IN
L-IN
L+IN
M
Q2000
Q2500
Q2501
TU1001
AGC
CLOCK
DATA
IF OUT
SF1001
Q1002
Q1003
IC1001
IF on board
VIF
VIF
FM AF
SDA
SCL
QSS
VIDEO
TU AGC
Q1004
Q1008
Q1009
Q1007
D1004
D1006

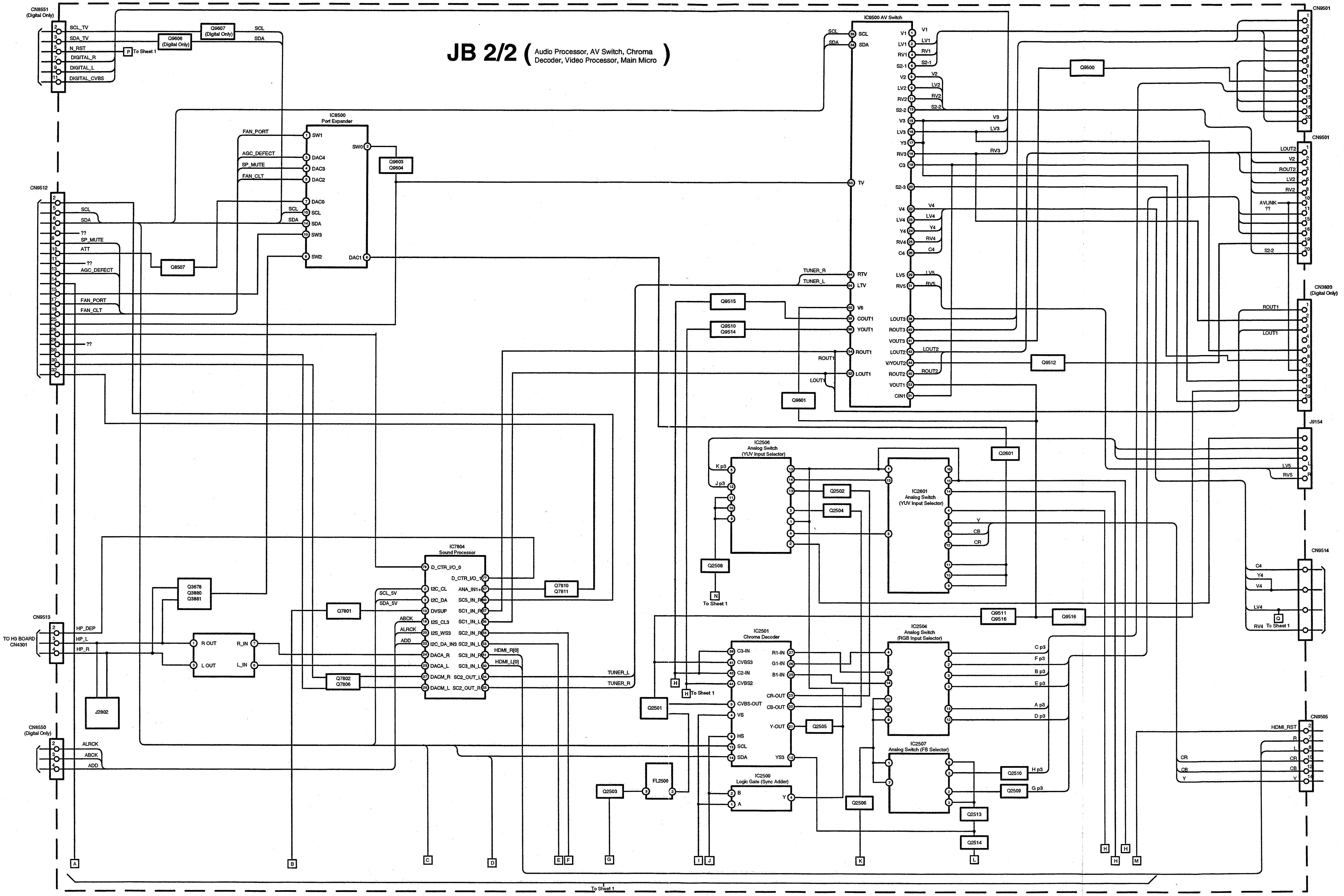
5-1. BLOCK DIAGRAMS (2)


C (LCD PANEL DRIVER BOARD)
CN3200
RA -
RA +
RB -
RB +
RC -
RC +
RCKL -
RCKL +
RD -
RD +
L3201
L3202
L3203
L3204
L3205
IC3200
LVDS Receiver
CLK OUT
PCLK1
H-OUT
V-OUT
IC2614
PAWN
IC3101
RESET
Q2602
Q2604
IC3102
EPROM
WR-128K
RSC
RSD
RESET
P-MUTE
BUFFER
Q206
Q3003
SCL-D-GAMMA1
SCL-D-GAMMA
SDA-D-GAMMA
IC2007
OCTAL BUS BUFFER (3-state)
IC2006
OCTAL BUS BUFFER (3-state)
IC2501
R DRIVE
Q2502
Q2504
CN2551
RED DRIVE
IC2701
B DRIVE
Q2702
Q2704
CN2601
BLUE DRIVE
IC2601
G DRIVE
Q2602
Q2604
CN2651
GREEN DRIVE
IC2009
Temperature Sensor
SDA
SCL
CN3004
SDA-33
SCL-33
WP-128K
P-MUTE

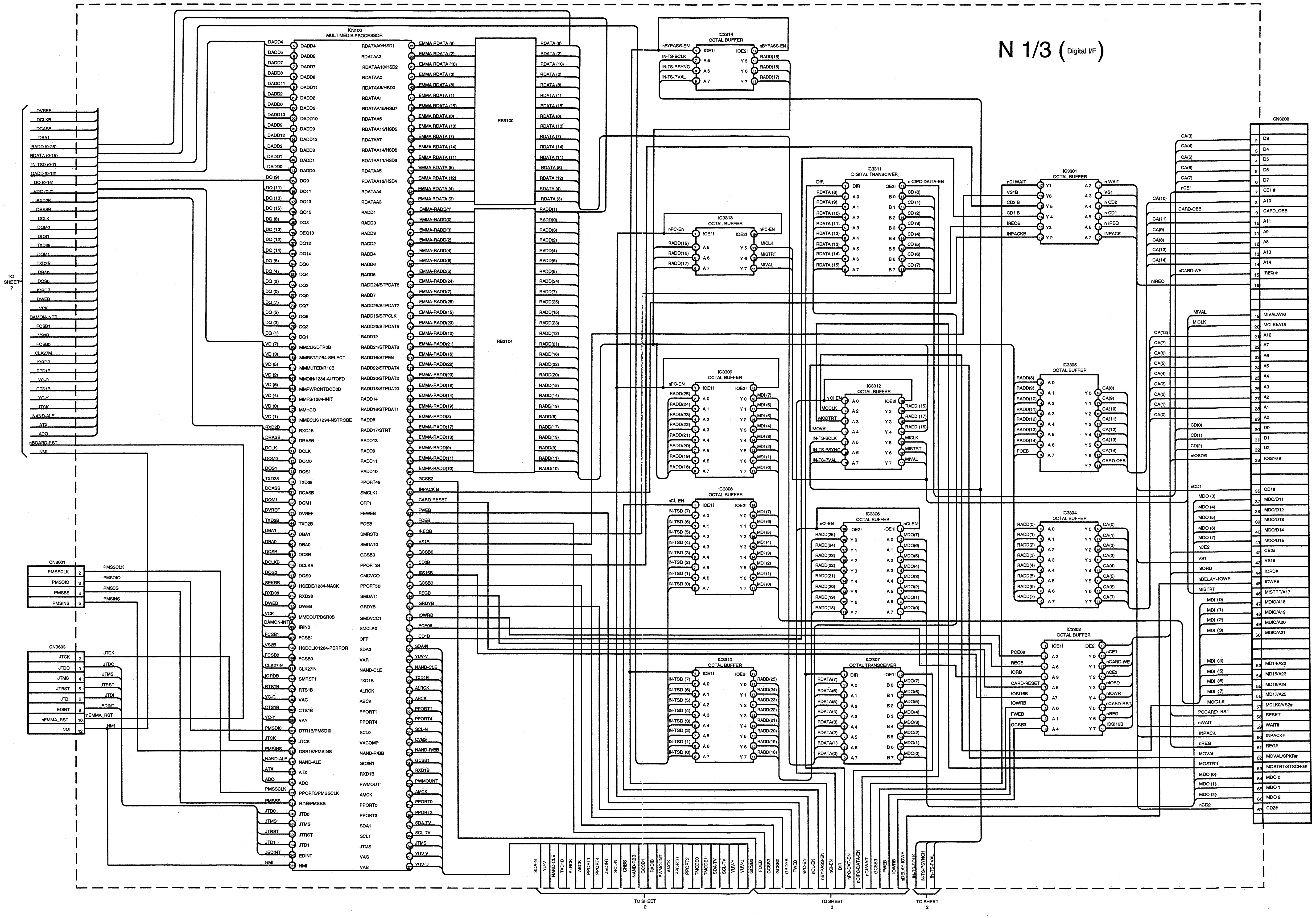
BLOCK DIAGRAMS (3)


JB 1/2 (Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro)
CN9511
B-PC
G_PC
R_PC
V_PC
H_PC
L
R
CN5404 (Digital Only)
DT_C_DY7
DT_C_DY6
DT_C_DY5
DT_C_DY4
DT_C_DY3
DT_C_DY2
DT_C_DY1
DT_C_DY0
DT_C_CLK
DT_C_HS
DT_C_VS
CN9510
RXIN3+
RXIN3-
RXCLK+
RXCLK-
RXIN2+
RXIN2-
RXIN1+
RXIN1-
RXIND+
RXIND-
L5013
L5014
L5012
L5008
L5009
IC5000 Video Processor
PB_B2
Y_G2
PR_P2
AIN_VS
AIN_HS
H
V
CLK
DIN7
DIN6
DIN5
DIN4
DIN3
DIN2
DIN1
DIN0
TA1+
TA1-
TB1+
TB1-
TC1+
TC1-
TCLK+
TCLK-
TD1+
TD1-
CR_IN
YC_C
CB_B1
YC_Y
Y_IN
PR_P1
C
PB_B1
CVBS1
CVBS2
CVBS3
Y_G1
SCL
SDA
RESET
BA1
BA0
CLKE
WE#
MVREF
CAS#
RAS#
CS#
MCLK0
DQM3
DQM2
DQS3
DQS2
DQM1
DQM0
DQS1
DQS0
1000p 50V
MA0 … MA11
MD0 … MD31
Q7413
Q7414
Q9602
IC5500 Video Processor Memory
N13 VREF
M5 BA1
N4 BA0
N12 CKE
L3 WE
L2 CAS
M2 RAS
N2 CS
M12 CK
M11 CK
B2 DQS0
H13 DQS1
H2 DQS2
B13 DQS3
N5 A0
N6 A1
M6 A2
N7 A3
N8 A4
M9 A5
N9 A6
N10 A7
N11 A8/AP
M8 A9
L6 A10
M7 A11
B12 DM3
H3 DM2
H12 DM1
B3 DM0
IC1002 OTP (Software)
IC7403 Ram Memory Micro
RD_RAM ??
WR_RAM ??
OE
WE
CE
IC1003 Micro
HS/SSC
VS
P1.7
A19
P3.6
P3.5
P3.1
P3.2
RD#
WR#
P4.3
RST#
P1.3
P1.2
P1.1
ALE
P2.1
P2.3
P2.0
P1.4
CVBS
PSEN#
Q7412
IC1005 NVM Micro
SDA
SCL
WC
IC1010 Dual OPAM (AV link)
VCC
OUT
Q1000
Q1002
Q7411
Q7419
Q8490
IC7402 Port Expander
DAC3
DAC4
DAC1
SW3
DAC2
SW2
DAC0
SW1
SW0
CN5402
RD_RAM
WR_RAM
RST_I
ALE_M
CN9506
P_MUTE
WP_256K
SCL_B
SDA_B
CN9507
SIRCS
STBY5
POWER/RESERVE_LED/RX
LAMP LED
TIMER LED
STBY LED
KEY
TO H2 BOARD CN1000
CN9509
KEY_2
KEY
TO H1 BOARD CN4404
CN9508
LMP_CTL
LMP_PROT
J
I
B
A
P
O
M
TO SHEET 2
E
F
H
TO SHEET 2
D
G
C
K
L
N
TO SHEET 2

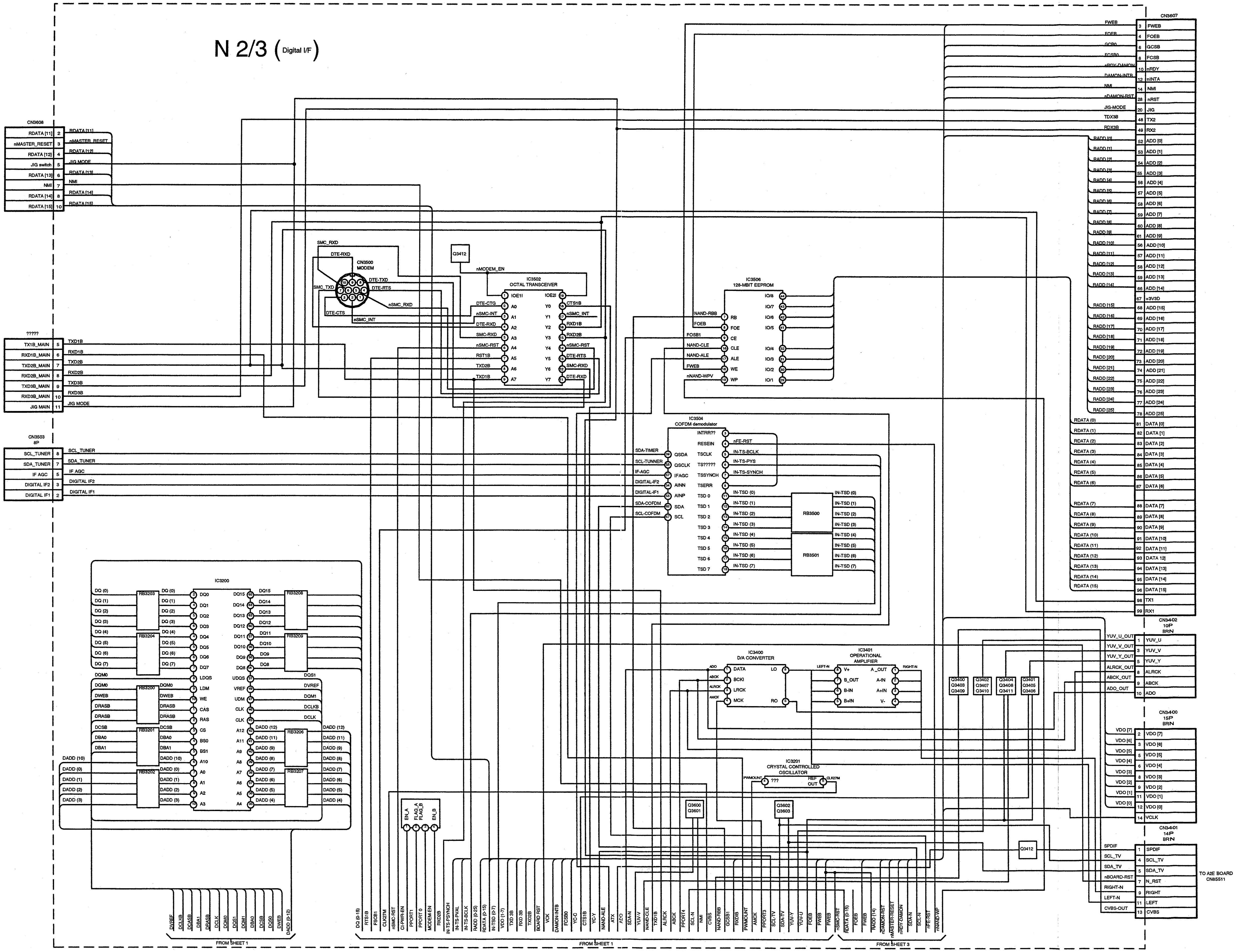
5-1. BLOCK DIAGRAMS (4)


JB 2/2 (Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro)
CN8551 (Digital Only)
SCL_TV
SDA_TV
N_RST
DIGITAL_R
DIGITAL_L
DIGITAL_CVBS
Q9607 (Digital Only)
Q9606 (Digital Only)
To Sheet 1
IC8500 Port Expander
FAN_PORT
AGC_DEFECT
SP_MUTE
FAN_CLT
SW1
DAC4
DAC3
DAC2
DAC0
SCL
SDA
SW3
SW2
SW0
DAC1
Q9603 Q9604
CN9512
Q8507
ATT
??
IC9500 AV Switch
V1
LV1
RV1
S2-1
V2
LV2
RV2
S2-2
V3
LV3
Y3
RV3
C3
S2-3
TV
V4
LV4
Y4
RV4
C4
LV5
RV5
RTV
LTV
TUNER_R
TUNER_L
V6
COUT1
YOUT1
ROUT1
LOUT1
LOUT3
ROUT3
VOUT3
LOUT2
V/YOUT2
ROUT2
VOUT1
CIN1
Q9500
Q9515
Q9510 Q9514
Q9601
Q9512
CN9501
AVLINK
CN3803 (Digital Only)
J9154
IC2506 Analog Switch (YUV Input Selector)
IC2601 Analog Switch (YUV Input Selector)
Q2601
Q2502
Q2504
Q2508
Y
CB
CR
CN9514
Q9511 Q9516
Q9516
IC7804 Sound Processor
D_CTR_I/O_0
D_CTR_I/O_1
I2C_CL
I2C_DA
DVSUP
I2S_CL3
I2S_WS3
I2C_DA_IN3
DACA_R
DACA_L
DACM_R
DACM_L
ANA_IN1+
SC5_IN_R
SC1_IN_R
SC1_IN_L
SC2_IN_R
SC2_IN_L
SC3_IN_R
SC3_IN_L
SC2_OUT_L
SC2_OUT_R
HDMI_R[0]
HDMI_L[0]
SCL_5V
SDA_5V
ABCK
ALRCK
ADD
Q7801
Q7810 Q7811
Q7802 Q7806
Q3678 Q3880 Q3881
R OUT
L OUT
R_IN
L_IN
CN9513
TO H3 BOARD CN4301
HP_DEP
HP_L
HP_R
J2802
CN8550 (Digital Only)
IC2501 Chroma Decoder
C3-IN
CVBS3
C2-IN
CVBS2
CVBS-OUT
VS
HS
R1-IN
G1-IN
B1-IN
CR-OUT
CB-OUT
Y-OUT
YS3
Q2501
Q2505
IC2504 Analog Switch (RGB Input Selector)
IC2507 Analog Switch (FB Selector)
Q2510
Q2509
Q2513
Q2514
Q2506
Q2503
FL2500
IC2500 Logic Gate (Sync Adder)
CN9505
HDMI_RST
C p3
F p3
B p3
E p3
A p3
D p3
H p3
G p3
K p3
J p3
A
B
C
D
E
F
G
H
I
J
K
L
M
N
P
Q
To Sheet 1

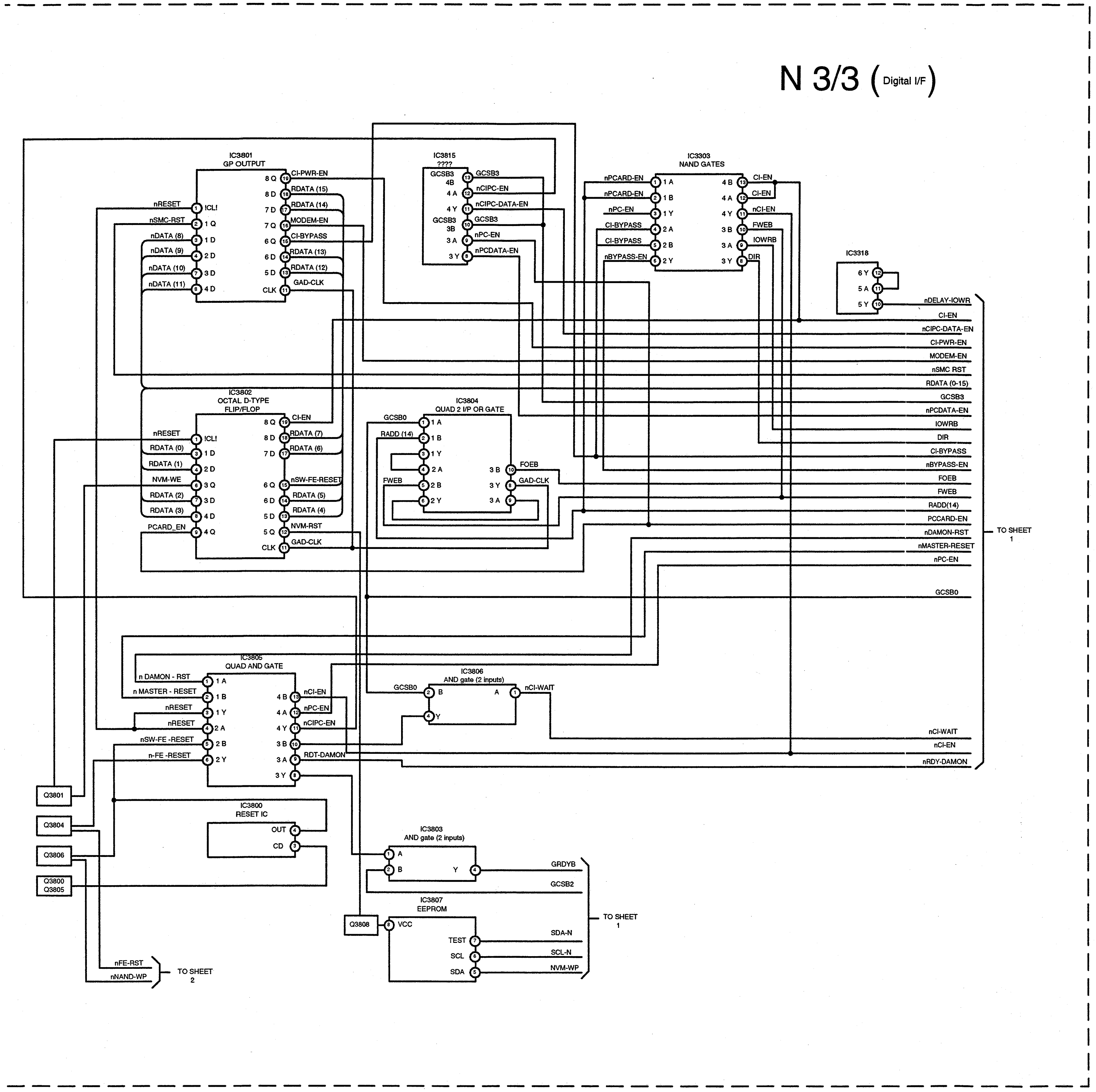
BLOCK DIAGRAMS (5)


N 1/3 (Digital I/F)
IC3100
MULTIMEDIA PROCESSOR
RB3100
RB3104
IC3314
OCTAL BUFFER
IC3313
OCTAL BUFFER
IC3309
OCTAL BUFFER
IC3308
OCTAL BUFFER
IC3310
OCTAL BUFFER
IC3311
DIGITAL TRANSCIVER
IC3312
OCTAL BUFFER
IC3306
OCTAL BUFFER
IC3307
OCTAL TRANSCEIVER
IC3301
OCTAL BUFFER
IC3305
OCTAL BUFFER
IC3304
OCTAL BUFFER
IC3302
OCTAL BUFFER
CN3200
CN3601
PMSSCLK
PMSDIO
PMSBS
PMSINS
CN3603
JTCK
JTDO
JTMS
JTRST
JTDI
EDINT
nEMMA_RST
NMI
TO SHEET 2
TO SHEET 2
TO SHEET 3
TO SHEET 2

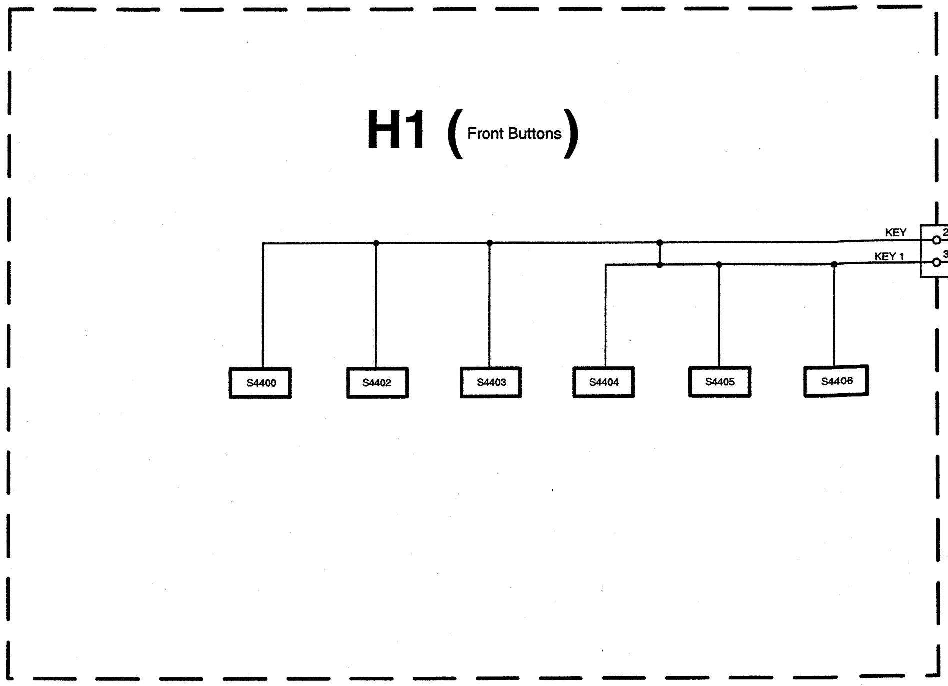
5-1. BLOCK DIAGRAMS (6)


N 2/3 (Digital I/F)
CN3608
CN3503 8P
IC3502 OCTAL TRANSCEIVER
CN3500 MODEM
Q3412
IC3506 128-MBIT EEPROM
IC3504 COFDM demodulator
RB3500
RB3501
IC3200
RB3203
RB3204
RB3200
RB3201
RB3202
RB3208
RB3209
RB3206
RB3207
IC3400 D/A CONVERTER
IC3401 OPERATIONAL AMPLIFIER
IC3201 CRYSTAL CONTROLLED OSCILLATOR
Q3600 Q3601
Q3602 Q3603
CN3607
CN3402 10P BRN
CN3400 15P BRN
CN3401 14P BRN
TO A2E BOARD CN85511
FROM SHEET 1
FROM SHEET 1
FROM SHEET 3

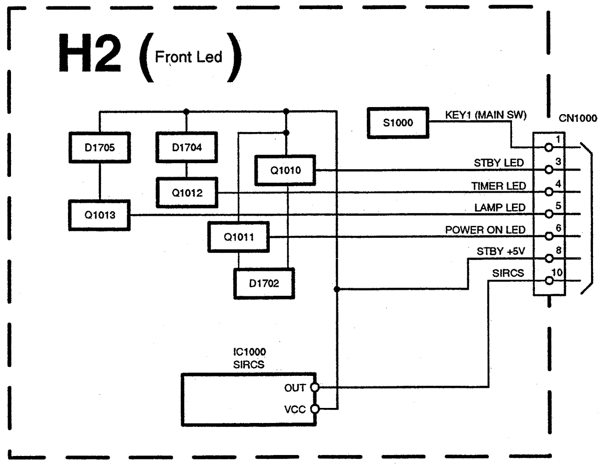
N 3/3 (Digital I/F)


IC3801
GP OUTPUT
IC3815
????
IC3303
NAND GATES
IC3318
IC3802
OCTAL D-TYPE
FLIP/FLOP
IC3804
QUAD 2 I/P OR GATE
IC3805
QUAD AND GATE
IC3806
AND gate (2 inputs)
IC3800
RESET IC
IC3803
AND gate (2 inputs)
IC3807
EEPROM
nRESET
nSMC-RST
nDATA (8)
nDATA (9)
nDATA (10)
nDATA (11)
CI-PWR-EN
RDATA (15)
RDATA (14)
MODEM-EN
CI-BYPASS
RDATA (13)
RDATA (12)
GAD-CLK
GCSB3
nCIPC-EN
nCIPC-DATA-EN
nPC-EN
nPCDATA-EN
nPCARD-EN
CI-BYPASS
nBYPASS-EN
CI-EN
nCI-EN
FWEB
IOWRB
DIR
nDELAY-IOWR
CI-EN
nCIPC-DATA-EN
CI-PWR-EN
MODEM-EN
nSMC RST
RDATA (0-15)
GCSB3
nPCDATA-EN
IOWRB
DIR
CI-BYPASS
nBYPASS-EN
FOEB
FWEB
RADD(14)
PCCARD-EN
nDAMON-RST
nMASTER-RESET
nPC-EN
GCSB0
TO SHEET 1
RDATA (0)
RDATA (1)
NVM-WE
RDATA (2)
RDATA (3)
PCARD_EN
RDATA (7)
RDATA (6)
nSW-FE-RESET
RDATA (5)
RDATA (4)
NVM-RST
GCSB0
RADD (14)
FWEB
FOEB
GAD-CLK
n DAMON - RST
n MASTER - RESET
nRESET
nSW-FE -RESET
n-FE -RESET
nCI-EN
nPC-EN
nCIPC-EN
RDT-DAMON
nCI-WAIT
nCI-WAIT
nCI-EN
nRDY-DAMON
OUT
CD
GRDYB
GCSB2
VCC
TEST
SCL
SDA
SDA-N
SCL-N
NVM-WP
Q3801
Q3804
Q3806
Q3800
Q3805
Q3808
nFE-RST
nNAND-WP
TO SHEET 2

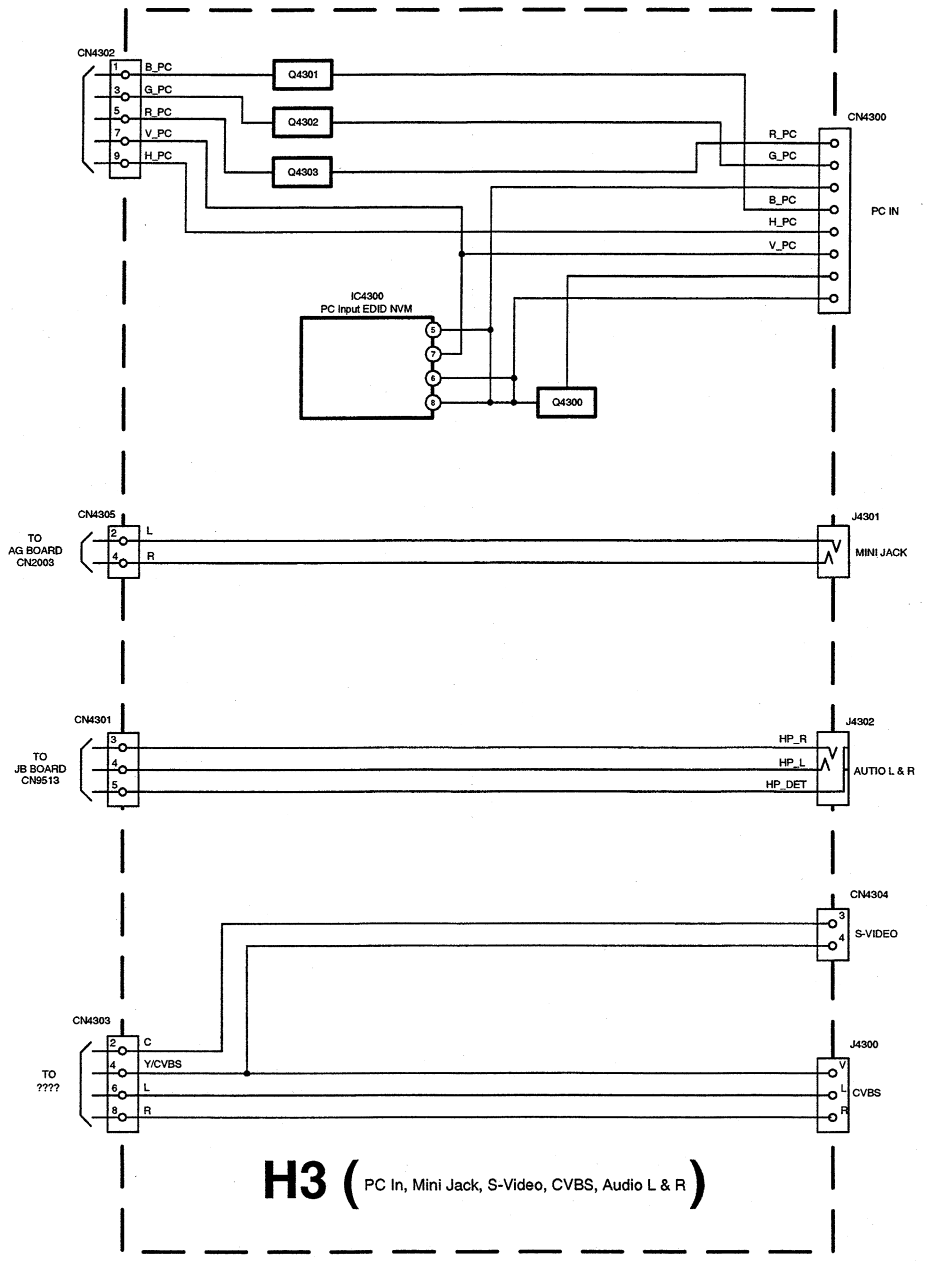
H1 (Front Buttons)


CN4404
KEY
KEY 1
TO JB BOARD
CN9509
S4400
S4402
S4403
S4404
S4405
S4406

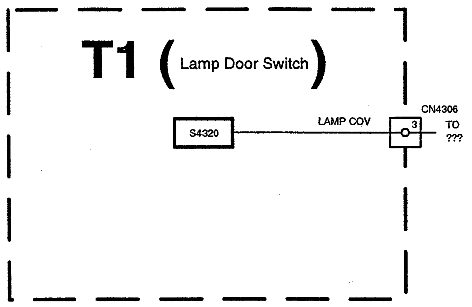
H2 (Front Led)


S1000
KEY1 (MAIN SW)
CN1000
D1705
D1704
Q1010
Q1012
Q1013
Q1011
D1702
STBY LED
TIMER LED
LAMP LED
POWER ON LED
STBY +5V
SIRCS
TO
JB BOARD
CN9507
IC1000
SIRCS
OUT
VCC

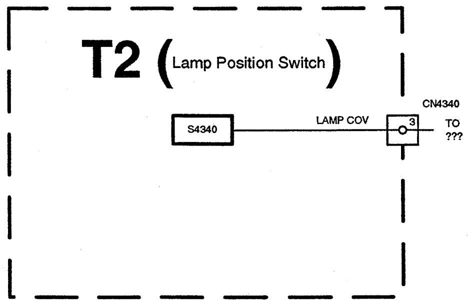
5-1. BLOCK DIAGRAMS (8)


H3 (PC In, Mini Jack, S-Video, CVBS, Audio L & R)

CN4302
1
3
5
7
9
B_PC
G_PC
R_PC
V_PC
H_PC
Q4301
Q4302
Q4303
CN4300
R_PC
G_PC
B_PC
H_PC
V_PC
PC IN
IC4300
PC Input EDID NVM
5
7
6
8
Q4300
CN4305
TO
AG BOARD
CN2003
2
4
L
R
J4301
MINI JACK
CN4301
TO
JB BOARD
CN9513
3
4
5
HP_R
HP_L
HP_DET
J4302
AUTIO L & R
CN4304
3
4
S-VIDEO
CN4303
TO
????
2
4
6
8
C
Y/CVBS
L
R
J4300
V
L
R
CVBS

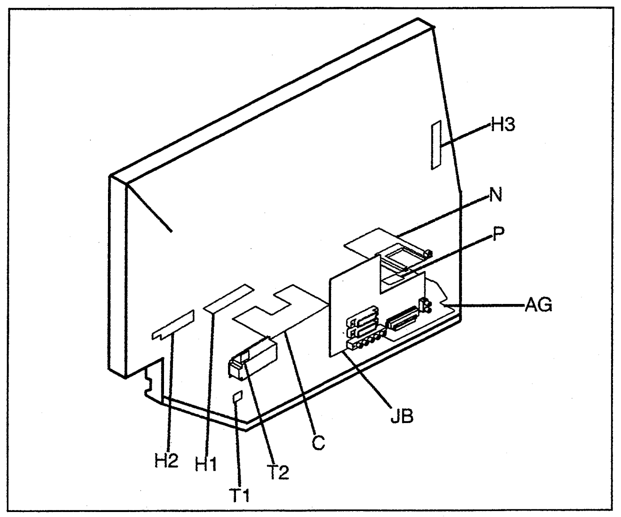

T1 (Lamp Door Switch)

S4320
LAMP COV
CN4306
3
TO
???


T2 (Lamp Position Switch)

S4340
LAMP COV
CN4340
3
TO
???

5-2. CIRCUIT BOARD LOCATION


H3
N
P
AG
JB
C
H2
H1
T1
T2

5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in µF unless otherwise noted.
- pF : µµF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Electrical power rating : 1/4W

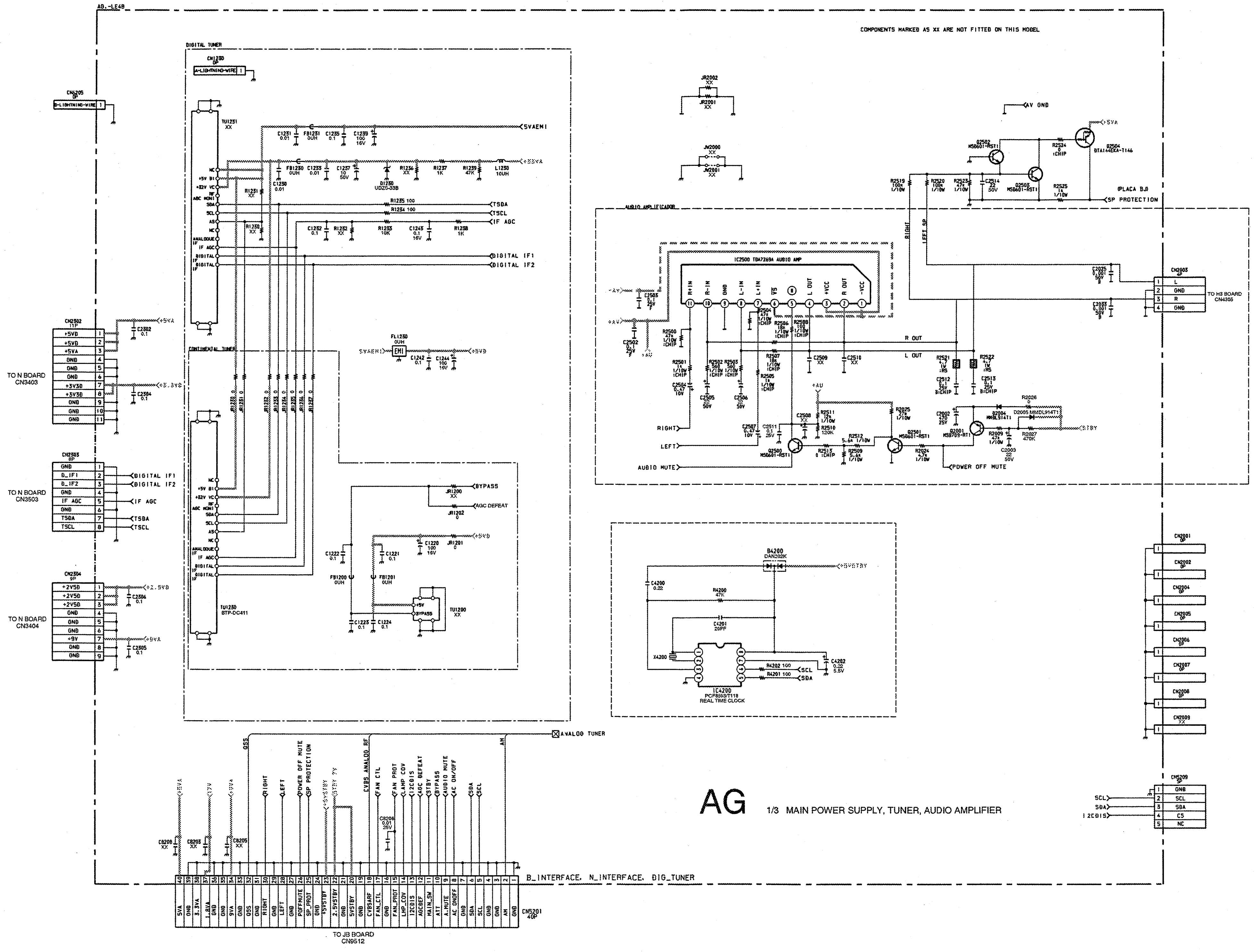
- Chip resistors are 1/10W
- All resistors are in ohms.
  k = 1000 ohms, M = 1000,000 ohms
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- ▭ : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.
- ━━ : B + bus.
- ▬ ▬ ▬ : B - bus.
- ▨➔ : RF signal path.
- ⊥ : earth - ground.
- ⏚ : earth - chassis.

Reference Information

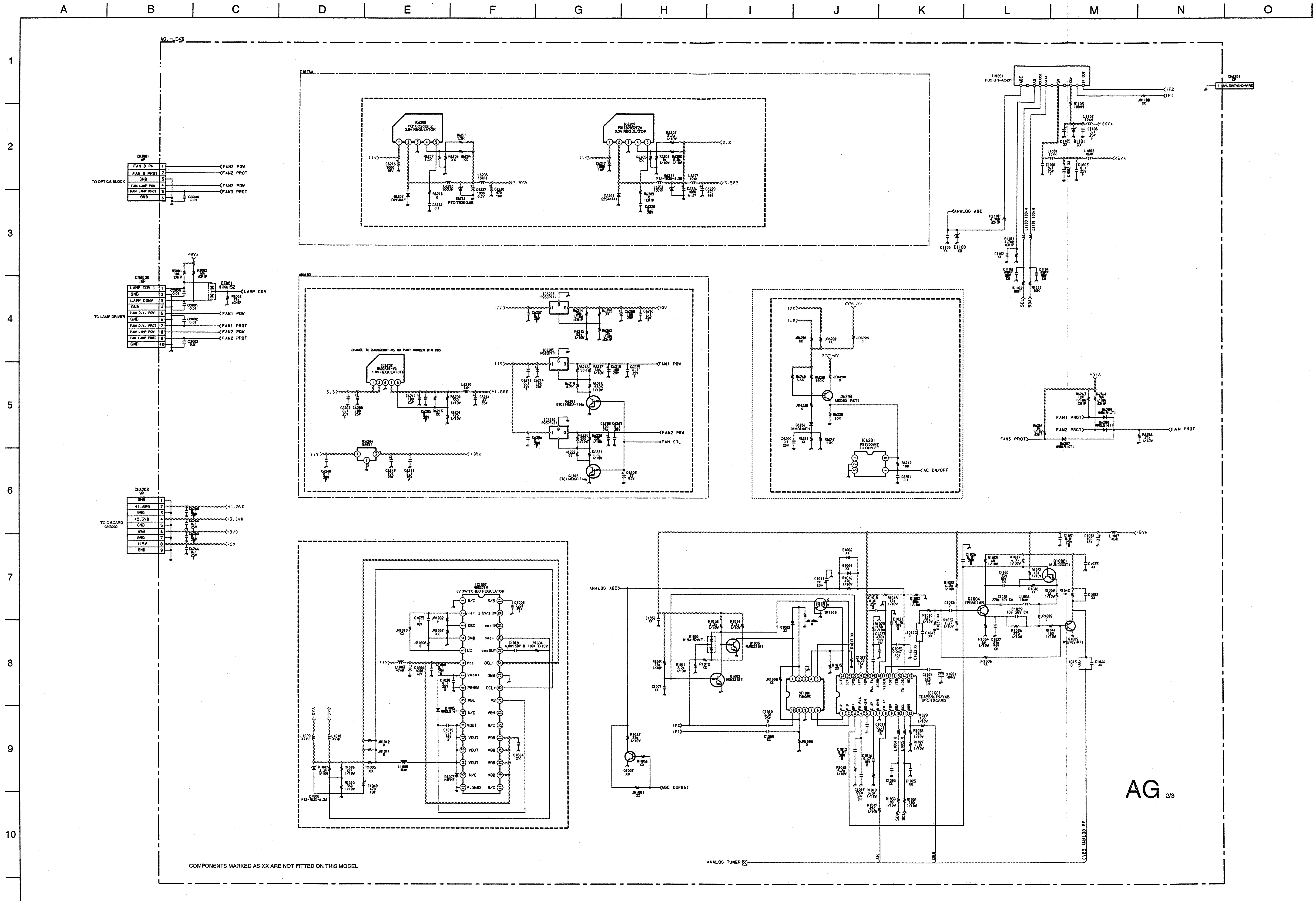
RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
	※	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

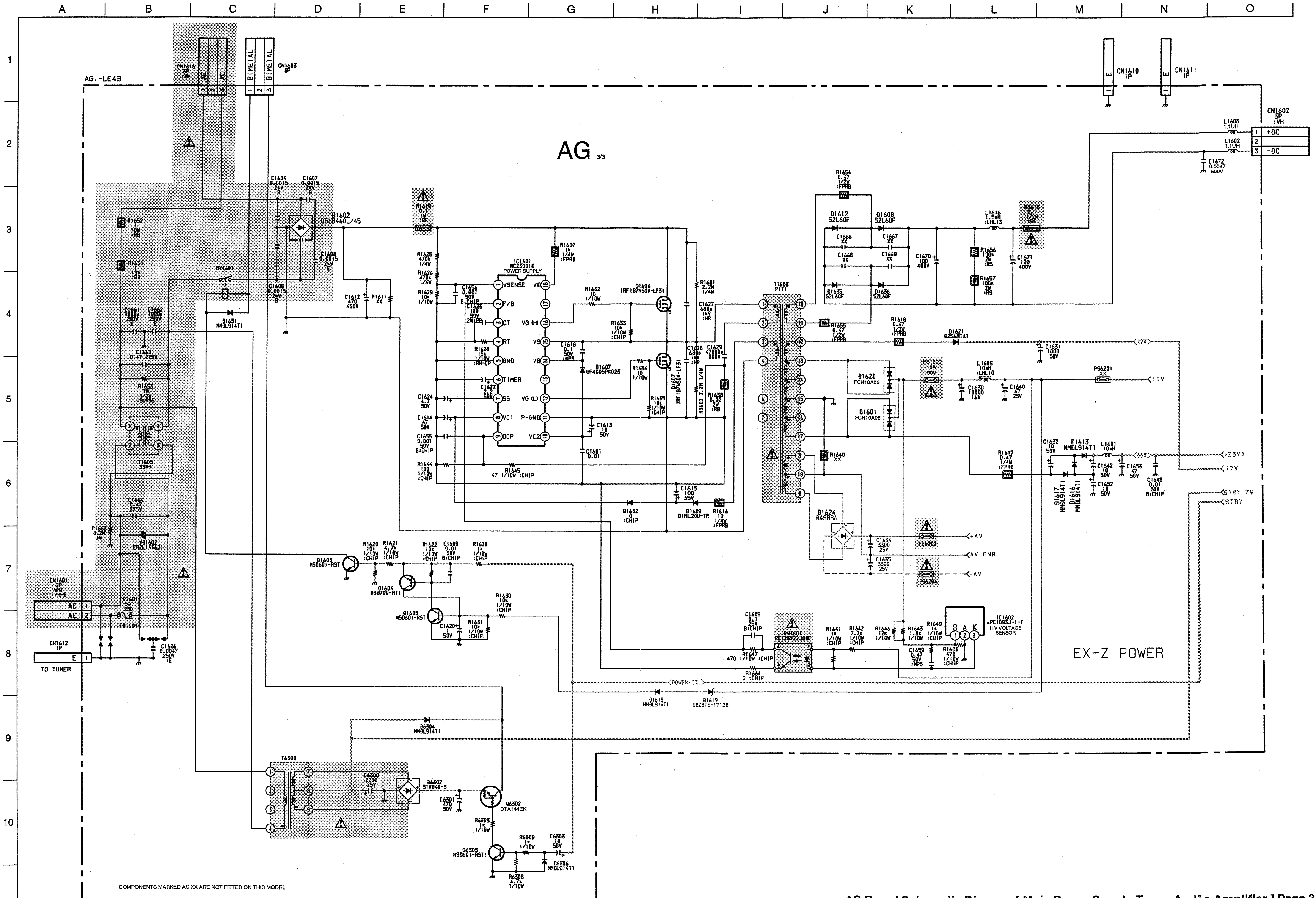

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
DIGITAL TUNER
CONTINENTAL TUNER
AUDIO AMPLIFIER
IC2500 TDA7269A AUDIO AMP
TO N BOARD CN3403
TO N BOARD CN3503
TO N BOARD CN3404
TO M3 BOARD CN4305
TO JB BOARD CN9512
CN5201 40P
TU1251 XX
TU1250 BTP-DC411
TU1200 XX
IC4200 PCF8563/T518 REAL TIME CLOCK
D4200 DAN202K
SVAEMI
+33VA
TSDA
TSCL
IF AGC
DIGITAL IF1
DIGITAL IF2
BYPASS
AGC DEFEAT
+5VD
+5VSTBY
AV GND
+5VA
PLACA B.B
SP PROTECTION
R OUT
L OUT
RIGHT
LEFT
AUDIO MUTE
POWER OFF MUTE
STBY
SCL
SDA
I2COIS
ANALOG TUNER
B_INTERFACE. N_INTERFACE. DIG_TUNER
AG
1/3 MAIN POWER SUPPLY, TUNER, AUDIO AMPLIFIER

~ AG Board Schematic Diagram [Main Power Supply, Tuner, Audio Amplifier] Page 1/3 ~


A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
AG.-LE4B
CN5001
FAN B PW
FAN B PROT
GND
FAN LAMP POW
FAN LAMP PROT
TO OPTICS BLOCK
FAN2 POW
FAN2 PROT
FAN3 POW
FAN3 PROT
IC6206
2.5V REGULATOR
IC6207
3.3V REGULATOR
CN5200
LAMP CONV
TO LAMP DRIVER
FAN1 POW
FAN1 PROT
CN6208
+1.8VD
+2.5VD
5VD
+15V
TO C BOARD CN3002
IC6202
1.8V REGULATOR
FAN2 POW
FAN CTL
IC6201
AC ON/OFF
TU1001
IF2
IF1
ANALOG AGC
+5VA
FAN PROT
IC1002
5V SWITCHED REGULATOR
IC1001
AGC DEFEAT
ANALOG TUNER
AG 2/3

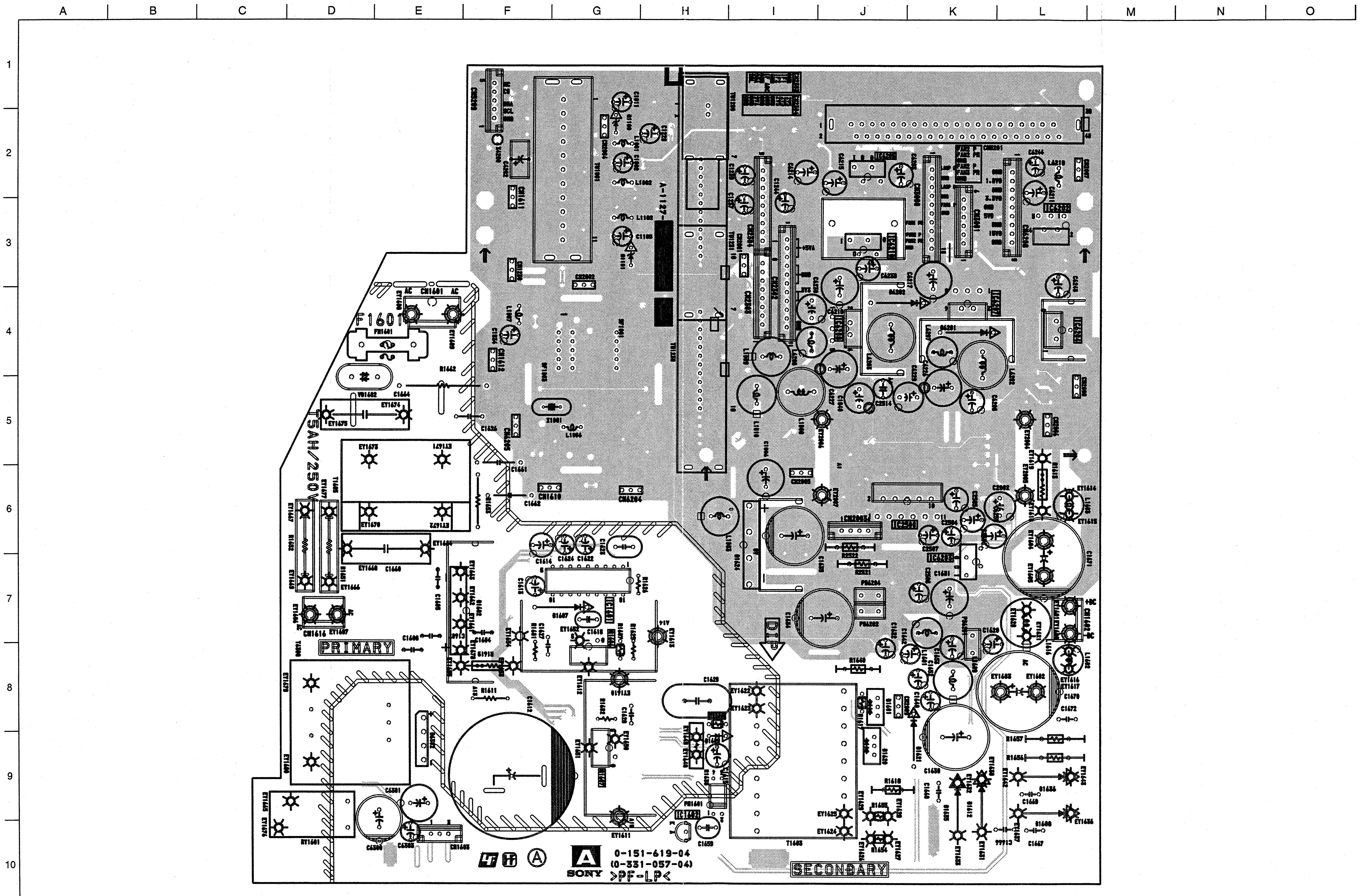
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ AG Board Schematic Diagram [Main Power Supply, Tuner, Audio Amplifier] Page 2


A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
AG 3/3
AG.-LE4B
EX-Z POWER
CN1616 3P :VH
AC
AC
BIMETAL
BIMETAL
CN1603 3P
CN1610 1P
CN1611 1P
CN1602 3P :VH
+DC
-DC
L1603 1.1UH
L1602 1.1UH
C1672 0.0047 500V
R1652 10W :RB
R1651 10W :RB
C1604 0.0015 2kV B
C1607 0.0015 2kV
D1602 GS1B460L/45
C1608 0.0015 2kV E
C1605 0.0015 2kV B
RY1601
D1631 MMDL914T1
C1661 1000p 250V E
C1662 1000p 250V E
C1660 0.47 275V
R1653 1M 1/2W :SURGE
T1605 55NH
C1664 0.47 275V
R1662 8.2M 1W
VD1602 ERZL14T621
CN1601 2P WHT :VH-B
AC
AC
F1601 5A 250
FH1601
C1626 0.0047 250V :E
CN1612 1P
E
TO TUNER
R1619 0.1 1W :RF
C1612 470 450V
R1611 XX
R1625 470k 1/4W
R1626 470k 1/4W
R1629 10k 1/10W
C1656 0.001 50V B:CHIP
C1623 100 50V
R1628 15k 1/10W :RN-CP
C1622 2.2 50V
C1624 4.7 50V
C1614 47 50V
C1655 0.001 50V B:CHIP
R1644 100 1/10W :CHIP
R1645 47 1/10W :CHIP
IC1601 MCZ3001D POWER SUPPLY
VSENSE
F/B
CT
RT
GND
TIMER
SS
VC1
OCP
VB
VG (H)
VS
VB
VG (L)
P-GND
VC2
R1607 1k 1/4W :FPRD
R1632 10 1/10W
Q1606 IRFIB7N50A-LF31
R1633 10k 1/10W :CHIP
C1618 0.1 50V :MPS
D1607 UF4005PKG23
R1634 10 1/10W
R1635 10k 1/10W :CHIP
Q1607 IRFIB7N50A-LF31
C1613 10 50V
C1601 0.01
R1601 2.2M 1/4W
C1627 680p 1kV :HR
C1628 680p 1kV :HR
C1629 47000p 800V
R1602 2.2M 1/4W
R1638 0.02 2W :RB
C1615 100 35V
D1632 0 :CHIP
D1609 B1NL20U-TR
R1616 10 1/4W :FPRD
T1603 PIT1
R1654 0.47 1/2W :FPRD
D1612 S2L60F
D1608 S2L60F
C1666 XX
C1667 XX
C1668 XX
C1669 XX
D1635 S2L60F
D1636 S2L60F
C1670 100 400V
L1616 1.5mH :LHL13
R1656 100k 2W :RS
R1657 100k 2W :RS
R1613 0.1 1/2W :RF
C1671 100 400V
R1655 0.47 1/2W :FPRD
R1618 0.47 1/2W :FPRD
D1621 D2S4MTA1
C1631 1000 50V
17V
D1620 FCH10A06
D1601 FCH10A06
PS1600 10A 90V
L1609 10mH :LHL10
C1630 10000 16V
C1640 47 25V
PS6201 XX
11V
R1640 XX
R1617 0.47 1/4W :FPRD
C1632 10 50V
D1613 MMDL914T1
L1601 10mH
C1642 10 50V
C1653 47 50V
33V
C1652 10 50V
C1648 0.01 50V B:CHIP
D1617 MMDL914T1
D1616 MMDL914T1
33VA
17V
STBY 7V
STBY
D1624 D4SB56
C1634 3300 25V
C1635 3300 25V
PS6202
PS6204
+AV
AV GND
-AV
R1620 10k 1/10W :CHIP
R1621 4.7k 1/10W :CHIP
Q1603 MSB601-RST
R1622 10k :CHIP
C1609 0.01 50V B:CHIP
R1623 1k 1/10W :CHIP
Q1604 MSB709-RT1
R1630 10k 1/10W :CHIP
Q1605 MSB601-RST
C1620 1 50V
R1631 10k 1/10W :CHIP
C1639 0.1 25V B:CHIP
PH1601 PC123Y22J00F
R1647 470 1/10W :CHIP
R1664 0 :CHIP
R1641 1k 1/10W :CHIP
R1642 2.2k 1/10W :CHIP
R1646 12k 1/10W
R1643 1.8k 1/10W
R1649 1k 1/10W :CHIP
C1659 0.47 50V :MPS
R1650 470 1/10W :CHIP
IC1602 µPC1093J-1-T 11V VOLTAGE SENSOR
R A K
POWER-CTL
D1618 MMDL914T1
D1619 UDZSTE-1712B
D6304 MMDL914T1
T6300
C6300 2200 25V
D6302 S1VB40-S
C6301 470 50V
Q6302 DTA144EK
R6303 1k 1/10W
R6309 1k 1/10W
C6303 10 50V
Q6305 MSB601-RST1
R6308 4.7k 1/10W
D6306 MMDL914T1

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ AG Board Schematic Diagram [Main Power Supply, Tuner, Audio Amplifier] Page 3/3 ~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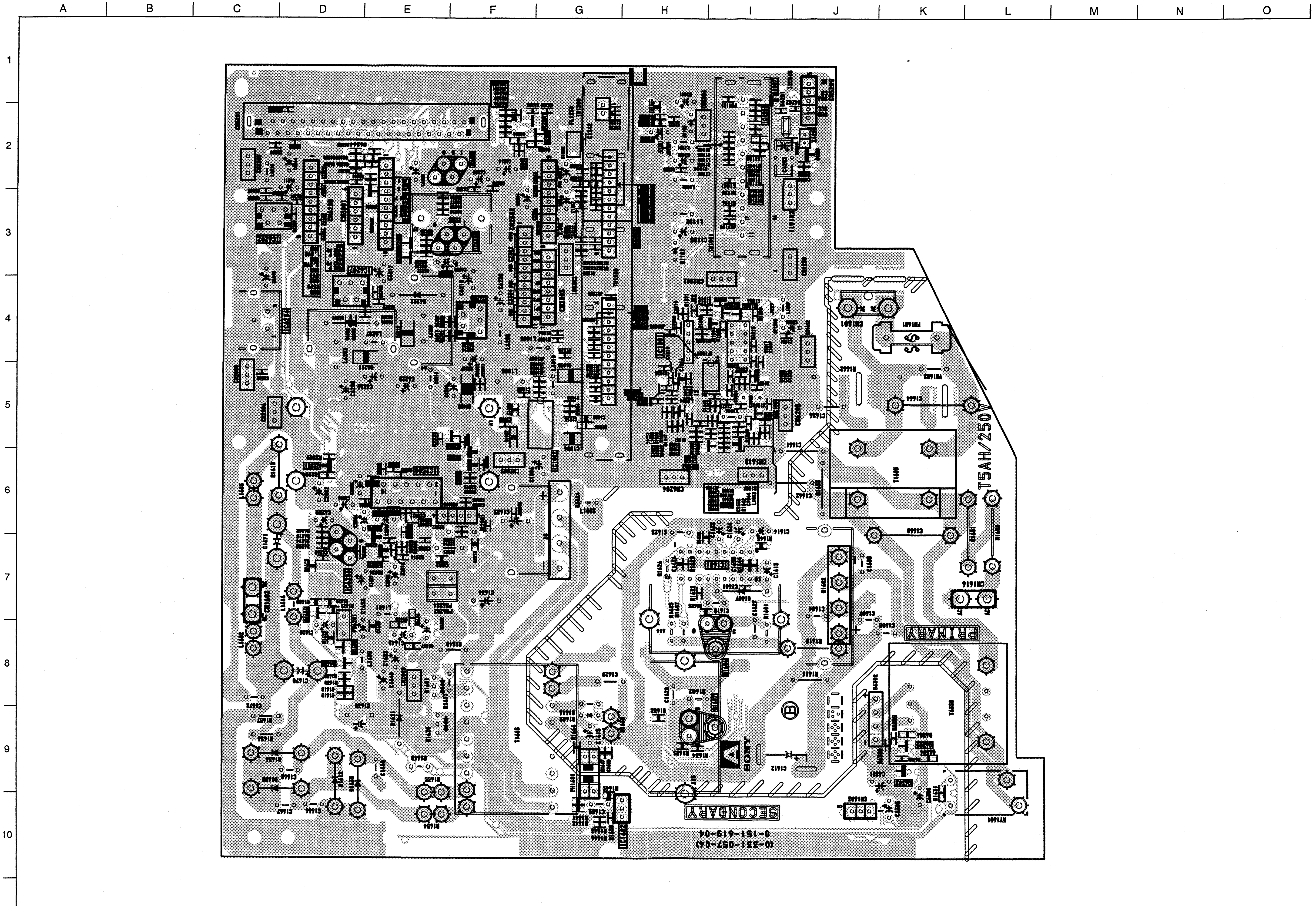
10
F1601
5AH/250V
PRIMARY
SECONDARY
A
SONY
0-151-619-04
(0-331-057-04)
>PF-LP<

~ AG Printed Wiring Board Conductor Sid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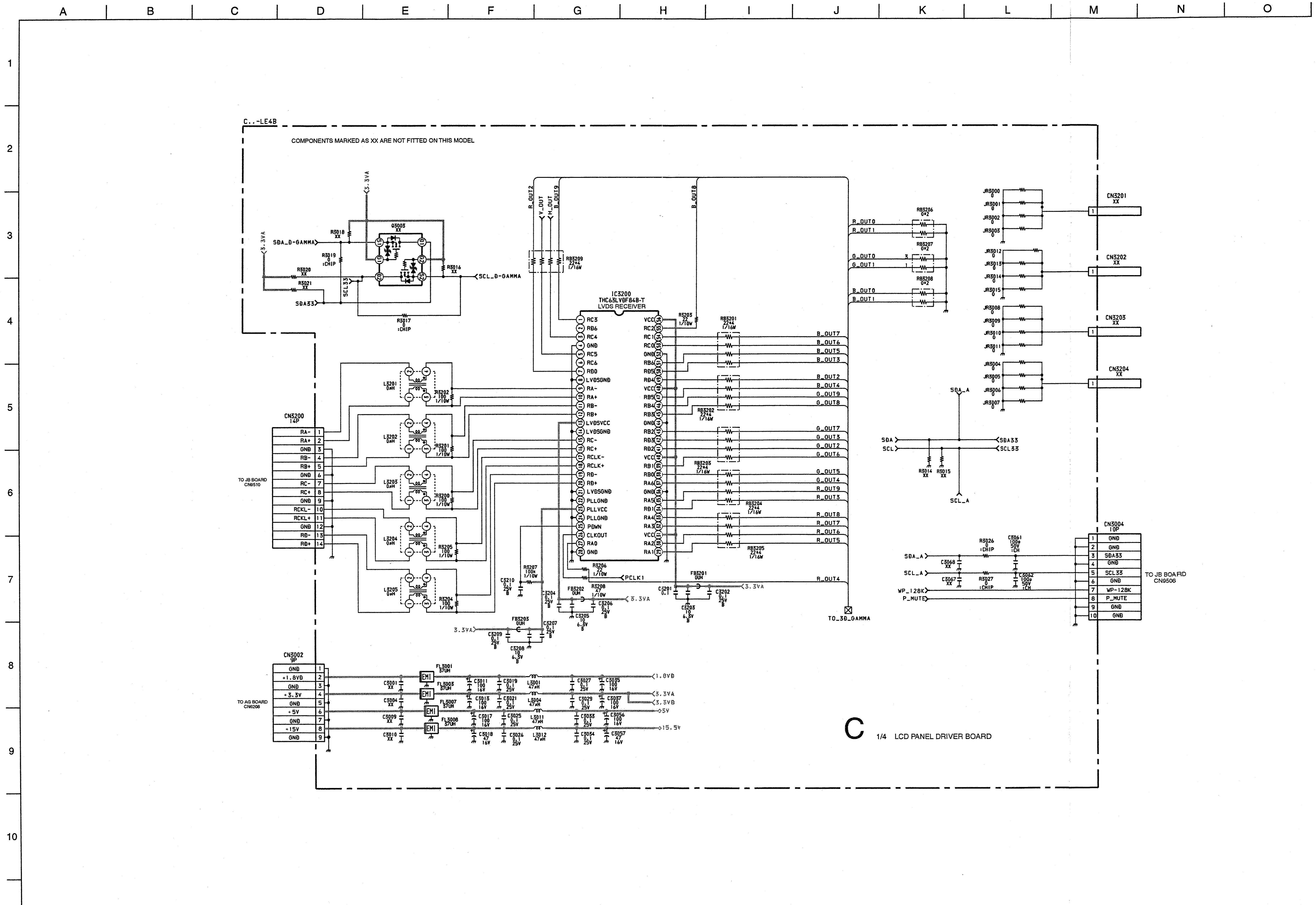
10
11
T5AH/250V
PRIMARY
SECONDARY
SONY
A
B
0-151-619-04
(0-331-057-04)

~ AG Printed Wiring Board Conductor Side B ~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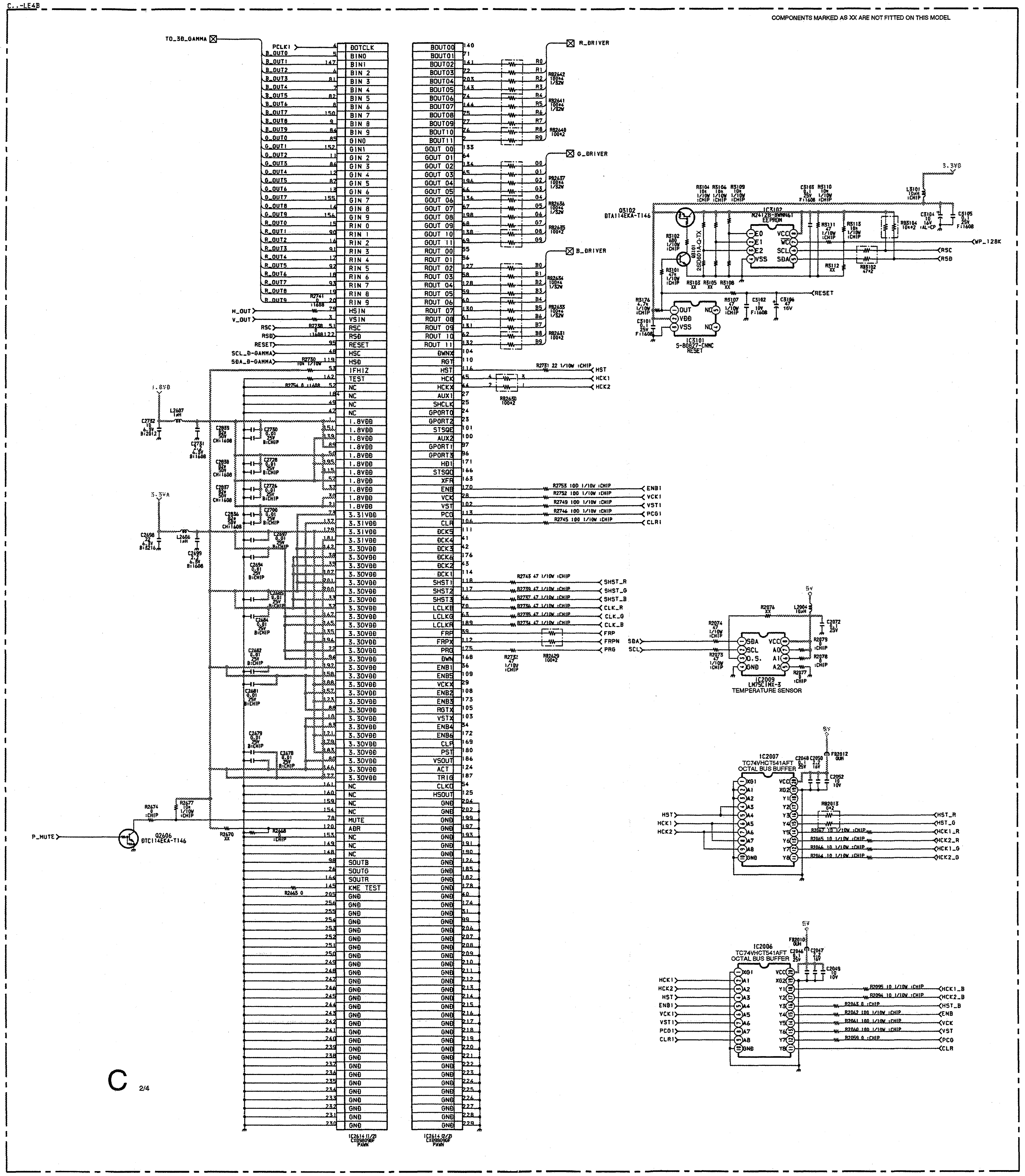
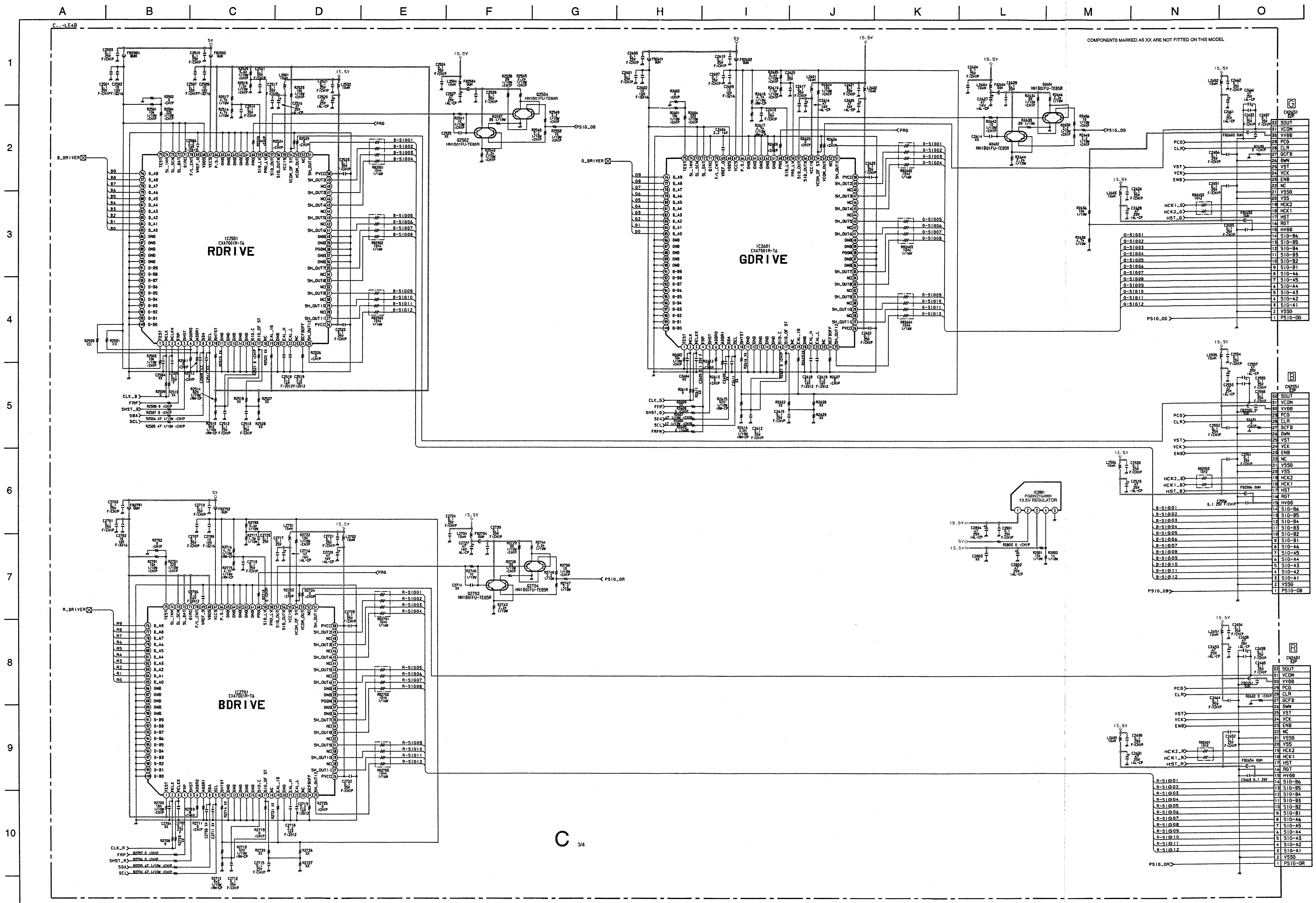
C..-LE4B
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
3.3VA
SDA_D-GAMMA
SCL_D-GAMMA
SDA33
SCL33
Q3003
R3016
R3017
R3018
R3019
R3020
R3021
R_OUT2
V_OUT
H_OUT
B_OUT9
B_OUT8
RB3209
IC3200
THC63LVDF84B-T
LVDS RECEIVER
RC3
RB6
RC4
GND
RC5
RC6
RD0
LVDSGND
RA-
RA+
RB-
RB+
LVDSVCC
RC-
RC+
RCLK-
RCLK+
RD-
RD+
PLLGND
PLLVCC
PDWN
CLKOUT
RA0
VCC
RC2
RC1
RC0
RB5
RB4
RB3
RB2
RB1
RB0
RA6
RA5
RA4
RA3
RA2
RA1
CN3200
14P
TO JB BOARD
CN9510
RCKL-
RCKL+
L3201
L3202
L3203
L3204
L3205
R3200
R3201
R3202
R3204
R3205
R3206
R3207
R3208
PCLK1
FB3201
FB3202
FB3203
C3201
C3202
C3203
C3204
C3205
C3206
C3207
C3208
C3209
C3210
TO_3D_GAMMA
R_OUT0
R_OUT1
G_OUT0
G_OUT1
B_OUT0
B_OUT1
RB3201
RB3202
RB3203
RB3204
RB3205
RB3206
RB3207
RB3208
B_OUT7
B_OUT6
B_OUT5
B_OUT3
B_OUT2
B_OUT4
G_OUT9
G_OUT8
G_OUT7
G_OUT3
G_OUT2
G_OUT6
G_OUT5
G_OUT4
R_OUT9
R_OUT3
R_OUT8
R_OUT7
R_OUT6
R_OUT5
R_OUT4
JR3000
JR3001
JR3002
JR3003
JR3012
JR3013
JR3014
JR3015
JR3008
JR3009
JR3010
JR3011
JR3004
JR3005
JR3006
JR3007
CN3201
CN3202
CN3203
CN3204
XX
SDA_A
SCL_A
SDA
SCL
R3014
R3015
CN3004
10P
SDA33
SCL33
WP-128K
P_MUTE
R3026
R3027
C3061
C3062
C3067
C3068
TO JB BOARD
CN9506
CN3002
9P
TO AG BOARD
CN6208
GND
+1.8VD
+3.3V
+5V
+15V
FL3001
FL3003
FL3007
FL3008
EMI
L3001
L3004
L3011
L3012
1.8VD
3.3VA
3.3VD
5V
15.5V
C
1/4 LCD PANEL DRIVER BOARD

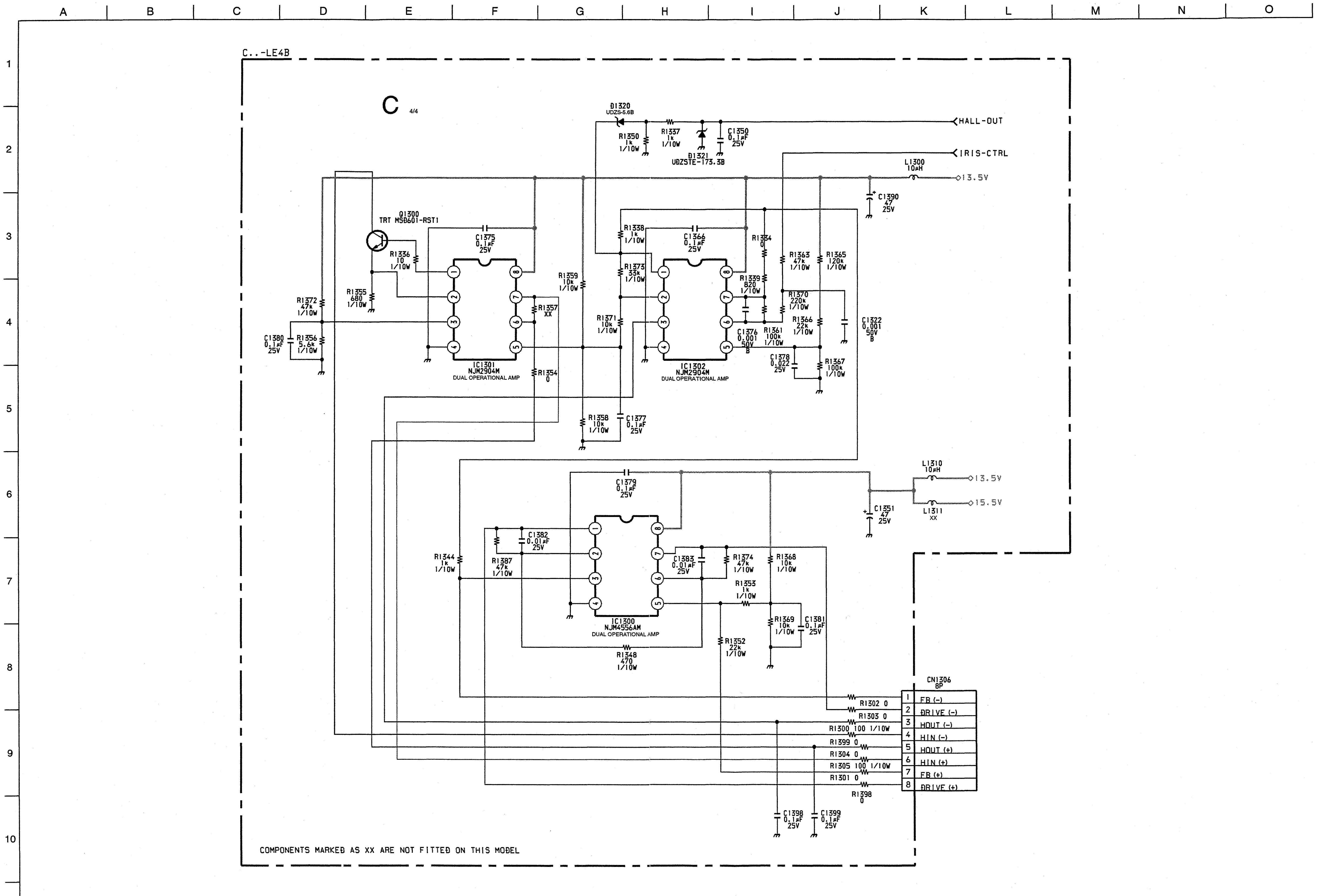
~ C Board Schematic Diagram [LCD Panel Driver Board] Page


C..-LE4B
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
TO_3D_GAMMA
R_DRIVER
G_DRIVER
B_DRIVER
3.3VS
Q3102
DTA114EKA-T146
IC3102
EEPROM
VP_128K
RSC
RSD
RESET
IC3101
S-80827-CNMC
RESET
1.8VD
3.3VA
5V
IC2009
LM75CIMX-3
TEMPERATURE SENSOR
IC2007
TC74VHCT541AFT
OCTAL BUS BUFFER
IC2006
TC74VHCT541AFT
OCTAL BUS BUFFER
P_MUTE
Q2606
DTC114EKA-T146
C 2/4

~ C Board Schematic Diagram [LCD Panel Driver Board] Page 2/4 ~


COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
IC2501
CXA7001R-T6
RDRIVE
IC2601
CXA7001R-T6
GDRIVE
IC2701
CXA7001R-T6
BDRIVE
IC2801
PQ20VZ1U0H
13.5V REGULATOR
Q2502
HN1B01FU-TE85R
Q2504
HN1B01FU-TE85R
Q2602
HN1B01FU-TE85R
Q2604
HN1B01FU-TE85R
Q2702
HN1B01FU-TE85R
Q2704
HN1B01FU-TE85R
CN2651
32P
CN2551
32P
CN2601
32P
B_DRIVER
G_DRIVER
R_DRIVER
PSIG_OB
PSIG_OG
PSIG_OR
C
3/4

~ C Board Schematic Diagram [LCD Panel Driver Board] Page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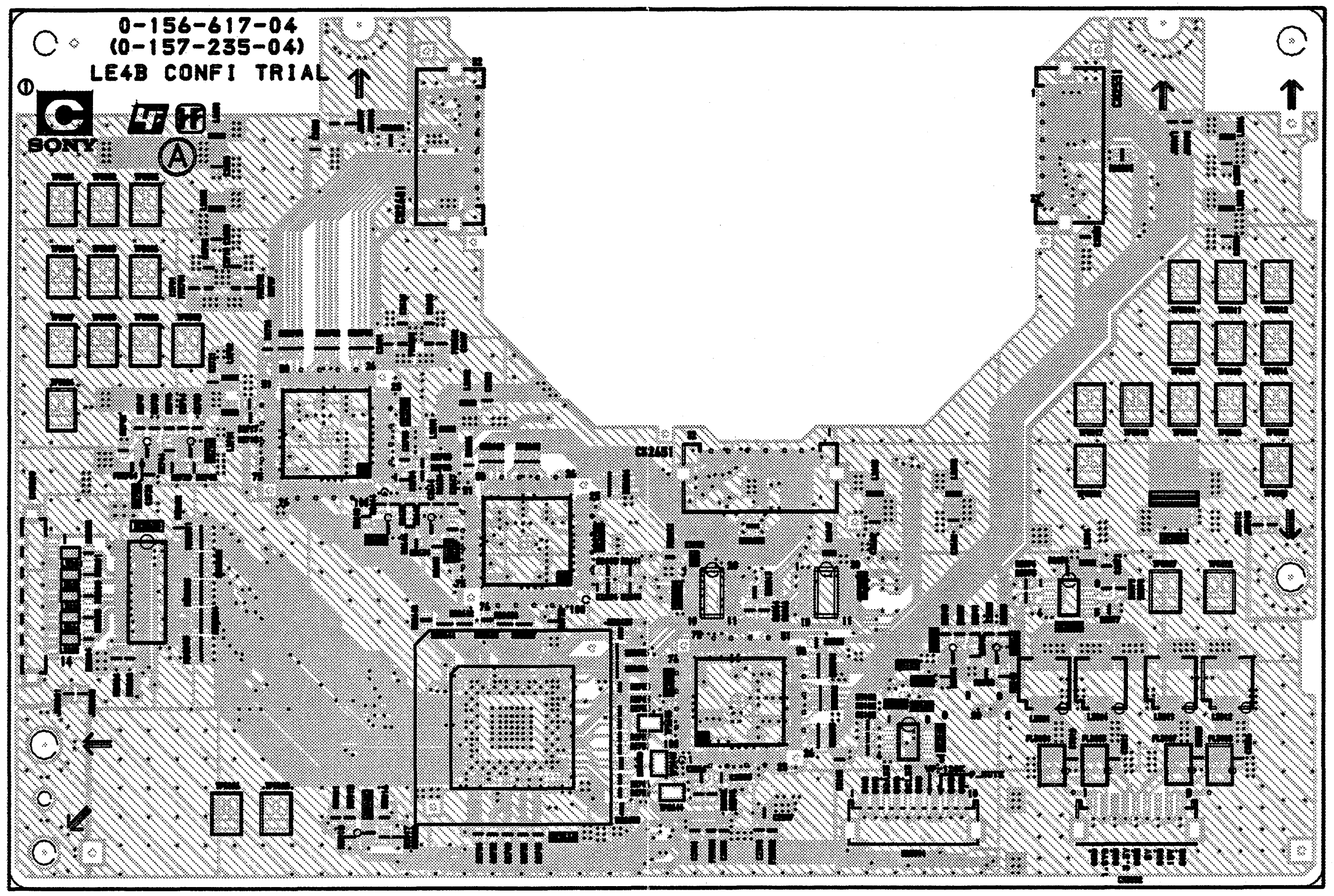
11
C..-LE4B
C 4/4
D1320
UDZS-5.6B
R1350 1k 1/10W
R1337 1k 1/10W
D1321 UDZSTE-173.3B
C1350 0.1µF 25V
HALL-OUT
IRIS-CTRL
L1300 10µH
13.5V
C1390 47 25V
Q1300
TRT MSD601-RST1
C1375 0.1µF 25V
R1336 10 1/10W
R1355 680 1/10W
R1372 47k 1/10W
C1380 0.1µF 25V
R1356 5.6k 1/10W
R1357 XX
R1354 0
IC1301
NJM2904M
DUAL OPERATIONAL AMP
R1359 10k 1/10W
R1338 1k 1/10W
R1373 33k 1/10W
R1371 10k 1/10W
C1366 0.1µF 25V
R1334 0
R1339 820 1/10W
C1376 0.001 50V B
R1361 100k 1/10W
R1363 47k 1/10W
R1365 120k 1/10W
R1370 220k 1/10W
R1366 22k 1/10W
C1322 0.001 50V B
C1378 0.022 25V
R1367 100k 1/10W
IC1302
NJM2904M
DUAL OPERATIONAL AMP
R1358 10k 1/10W
C1377 0.1µF 25V
C1379 0.1µF 25V
L1310 10µH
13.5V
15.5V
L1311 XX
C1351 47 25V
R1344 1k 1/10W
R1387 47k 1/10W
C1382 0.01µF 25V
IC1300
NJM4556AM
DUAL OPERATIONAL AMP
C1383 0.01µF 25V
R1374 47k 1/10W
R1368 10k 1/10W
R1353 1k 1/10W
R1369 10k 1/10W
C1381 0.1µF 25V
R1352 22k 1/10W
R1348 470 1/10W
CN1306 8P
1 FB (-)
2 DRIVE (-)
3 HOUT (-)
4 HIN (-)
5 HOUT (+)
6 HIN (+)
7 FB (+)
8 DRIVE (+)
R1302 0
R1303 0
R1300 100 1/10W
R1399 0
R1304 0
R1305 100 1/10W
R1301 0
R1398 0
C1398 0.1µF 25V
C1399 0.1µF 25V

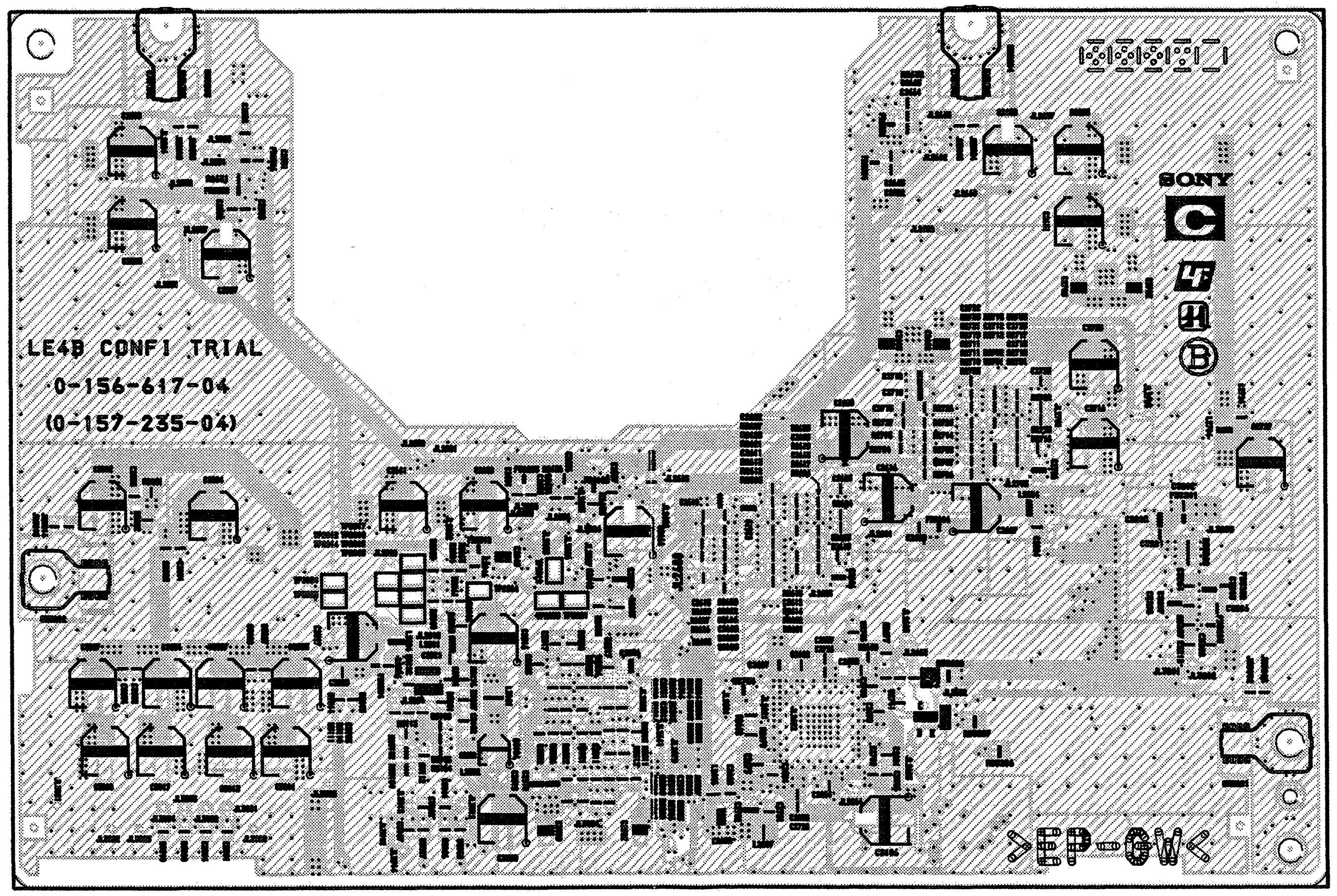
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

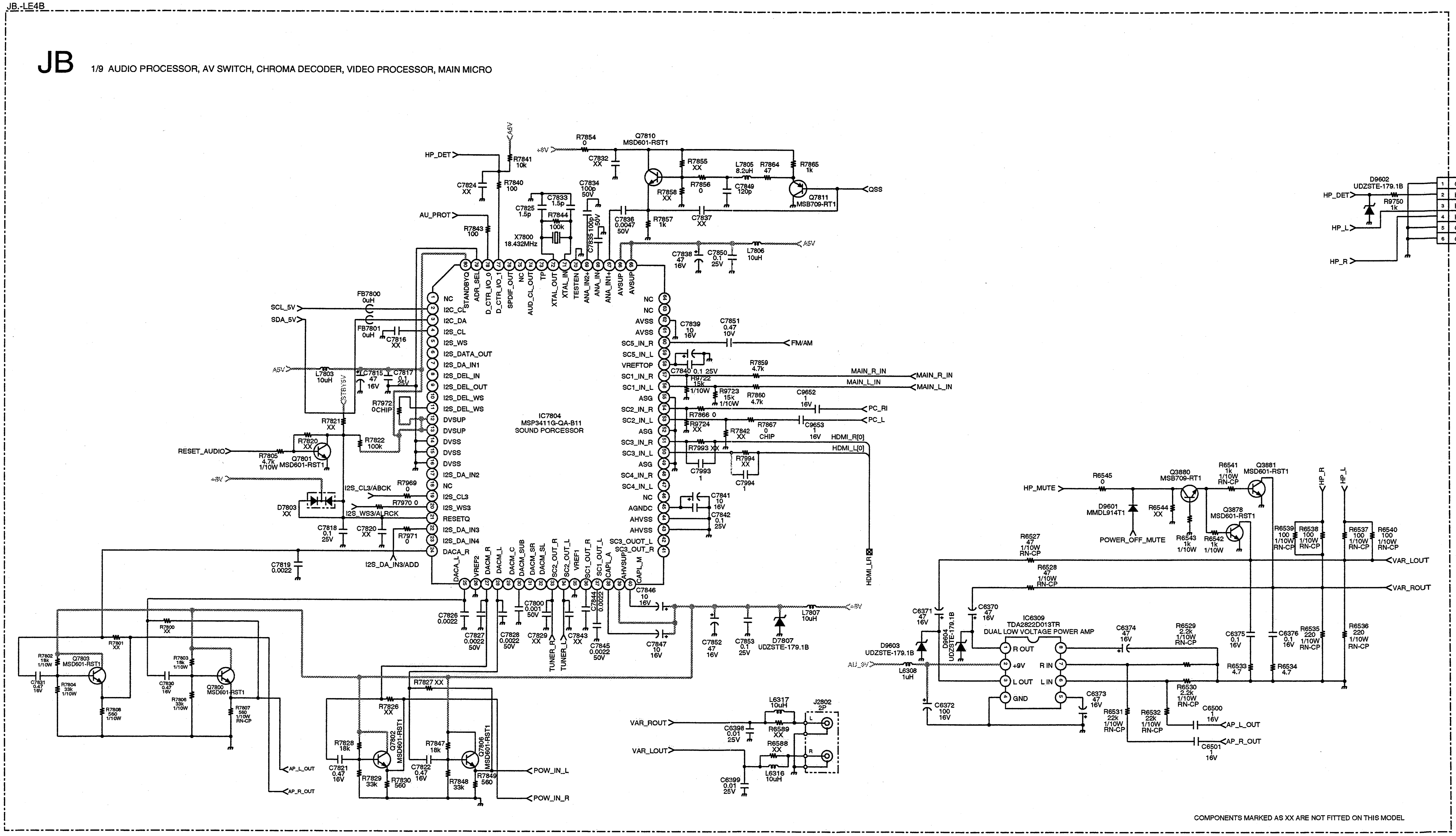
~ C Board Schematic Diagram [LCD Panel Driver Board] Page 4/4 ~

~ C Printed Wiring Board Conductor Side A ~


0-156-617-04
(0-157-235-04)
LE4B CONFI TRIAL
C
SONY
A

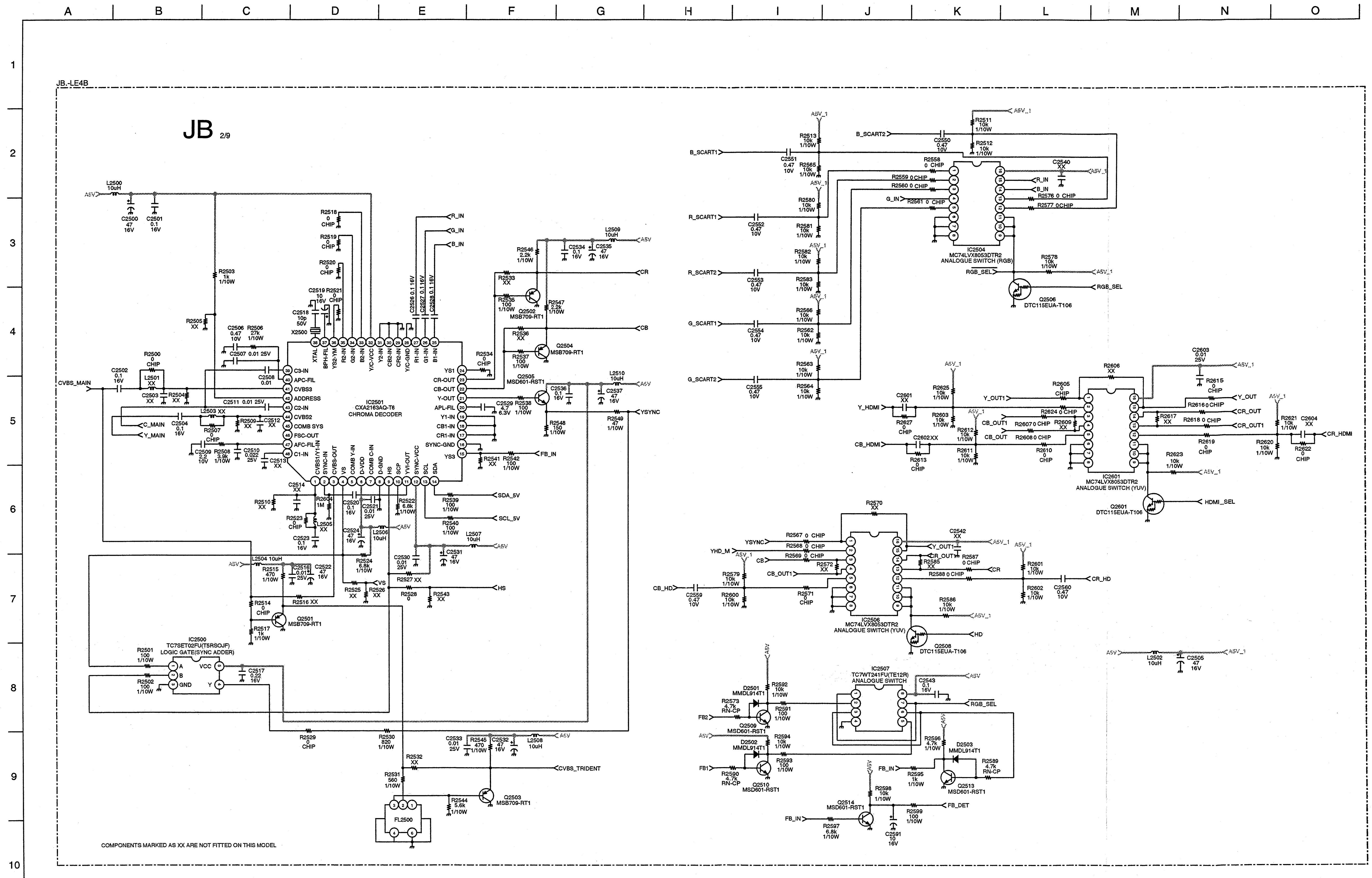
~ C Printed Wiring Board Conductor Side B ~


LE4B CONFI TRIAL
0-156-617-04
(0-157-235-04)
SONY
C
B
>EP-GW<


JB.-LE4B
JB
1/9 AUDIO PROCESSOR, AV SWITCH, CHROMA DECODER, VIDEO PROCESSOR, MAIN MICRO
IC7804
MSP3411G-QA-B11
SOUND PORCESSOR
X7800
18.432MHz
Q7810
MSD601-RST1
Q7811
MSB709-RT1
QSS
HP_DET
AU_PROT
SCL_5V
SDA_5V
A5V
+8V
RESET_AUDIO
I2S_CL3/ABCK
I2S_WS3/ALRCK
I2S_DA_IN3/ADD
FM/AM
MAIN_R_IN
MAIN_L_IN
PC_R
PC_L
HDMI_R[0]
HDMI_L[0]
HDMI_LR
TUNER_R
TUNER_L
Q7803
MSD601-RST1
Q7800
MSD601-RST1
Q7802
MSD601-RST1
Q7806
MSD601-RST1
Q7801
MSD601-RST1
D7803
D7807
UDZSTE-179.1B
AP_L_OUT
AP_R_OUT
POW_IN_L
POW_IN_R
VAR_ROUT
VAR_LOUT
J2802
2P
CN9513
6P
GND
HP_DET
HP_L
HP_R
GND
GND
TO H3 BOARD
CN4301
D9602
UDZSTE-179.1B
HP_MUTE
Q3880
MSB709-RT1
Q3881
MSD601-RST1
Q3878
MSD601-RST1
D9601
MMDL914T1
POWER_OFF_MUTE
IC6309
TDA2822D013TR
DUAL LOW VOLTAGE POWER AMP
R OUT
+9V
L OUT
GND
R IN
L IN
D9603
UDZSTE-179.1B
D9604
UDZSTE-179.1B
AU_9V
L6308
1uH

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 1/9 ~


A
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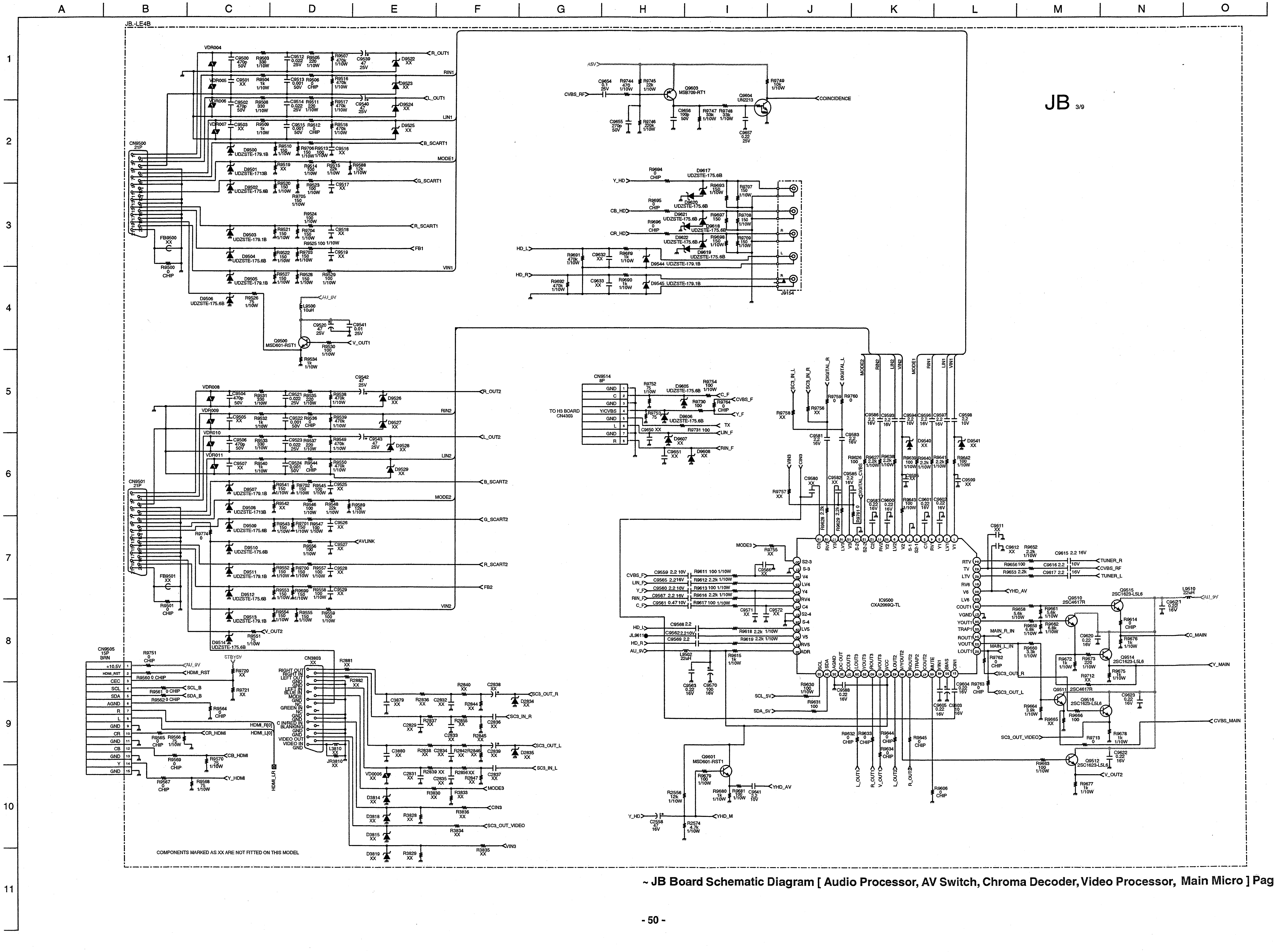
JB.-LE4B
JB 2/9
L2500 10uH
A5V
C2500 47 16V
C2501 0.1 16V
R2503 1k 1/10W
R2505 XX
C2506 0.47 10V
R2506 27k 1/10W
C2507 0.01 25V
R2500 0 CHIP
L2501 XX
C2502 0.1 16V
CVBS_MAIN
C2503 XX
R2504 XX
C2508 0.01
C2511 0.01 25V
L2503 XX
C_MAIN
Y_MAIN
C2504 0.1 16V
R2509 XX
C2512 XX
R2507 0 CHIP
C2509 2.2 10V
R2508 3.9k 1/10W
C2510 0.022 25V
C2513 XX
R2518 0 CHIP
R2519 0 CHIP
R2520 0 CHIP
C2519 10 16V
R2521 0 CHIP
C2518 10p 50V
X2500
C2526 0.1 16V
C2527 0.1 16V
C2528 0.1 16V
R_IN
G_IN
B_IN
C3-IN
APC-FIL
CVBS3
ADDRESS
C2-IN
CVBS2
COMB SYS
FSC-OUT
AFC-FIL
C1-IN
XTAL
BPH-FIL
YS2-YM
R2-IN
G2-IN
B2-IN
Y/C-VCC
Y2-IN
CB2-IN
CR2-IN
Y/C-GND
R1-IN
G1-IN
B1-IN
YS1
CR-OUT
CB-OUT
Y-OUT
APL-FIL
Y1-IN
CB1-IN
CR1-IN
SYNC-GND
YS3
CVBS1/Y1-IN
SYNC-IN
CVBS-OUT
VS
COMB Y-IN
D-VDD
COMB C-IN
D-GND
HS
SCP
YVI-OUT
SYNC-VCC
SCL
SDA
IC2501
CXA2163AQ-T6
CHROMA DECODER
L2509 10uH
C2534 0.1 16V
C2535 47 16V
R2546 2.2k 1/10W
CR
R2533 XX
R2535 100 1/10W
Q2502 MSB709-RT1
R2547 2.2k 1/10W
CB
R2536 XX
R2537 100 1/10W
Q2504 MSB709-RT1
R2534 0 CHIP
Q2505 MSD601-RST1
C2536 0.1 16V
L2510 10uH
C2537 47 16V
C2529 4.7 6.3V
R2538 100 1/10W
R2548 150 1/10W
R2549 47 1/10W
YSYNC
R2541 XX
R2542 100 1/10W
FB_IN
C2514 XX
R2510 XX
R2604 1M
R2523 0 CHIP
L2505 XX
C2523 0.1 16V
C2520 0.1 16V
C2521 0.01 25V
C2524 47 16V
L2506 10uH
R2522 6.8k 1/10W
R2539 100 1/10W
SDA_5V
R2540 100 1/10W
SCL_5V
L2507 10uH
C2531 47 16V
C2530 0.01 25V
R2524 6.8k 1/10W
L2504 10uH
R2515 470 1/10W
C2516 0.01 25V
C2522 47 16V
R2525 XX
R2526 XX
R2527 XX
R2528 0
R2543 XX
HS
R2514 0 CHIP
R2516 XX
Q2501 MSB709-RT1
R2517 1k 1/10W
IC2500
TC7SET02FU(T5RSOJF)
LOGIC GATE(SYNC ADDER)
R2501 100 1/10W
R2502 100 1/10W
VCC
GND
C2517 0.22 16V
R2529 0 CHIP
R2530 820 1/10W
C2533 0.01 25V
R2545 470 1/10W
C2532 47 16V
L2508 10uH
R2532 XX
CVBS_TRIDENT
R2531 560 1/10W
R2544 5.6k 1/10W
Q2503 MSB709-RT1
FL2500
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
A5V_1
R2513 10k 1/10W
B_SCART2
R2511 10k 1/10W
C2550 0.47 10V
R2512 10k 1/10W
B_SCART1
C2551 0.47 10V
R2565 10k 1/10W
R2558 0 CHIP
C2540 XX
R2559 0 CHIP
R2560 0 CHIP
R_IN
B_IN
G_IN
R2561 0 CHIP
R2576 0 CHIP
R2577 0 CHIP
R2580 10k 1/10W
R_SCART1
C2552 0.47 10V
R2581 10k 1/10W
IC2504
MC74LVX8053DTR2
ANALOGUE SWITCH (RGB)
R2582 10k 1/10W
R_SCART2
C2553 0.47 10V
R2583 10k 1/10W
R2578 10k 1/10W
RGB_SEL
Q2506 DTC115EUA-T106
R2566 10k 1/10W
G_SCART1
C2554 0.47 10V
R2562 10k 1/10W
R2563 10k 1/10W
G_SCART2
C2555 0.47 10V
R2564 10k 1/10W
R2606 XX
C2603 0.01 25V
R2615 0 CHIP
R2605 0 CHIP
R2625 10k 1/10W
Y_OUT1
Y_OUT
Y_HDMI
C2601 XX
R2627 0 CHIP
R2603 10k 1/10W
R2624 0 CHIP
R2616 0 CHIP
CR_OUT
R2617 XX
R2618 0 CHIP
CR_OUT1
R2621 10k 1/10W
C2604 XX
CR_HDMI
CB_OUT1
R2607 0 CHIP
R2609 XX
R2612 10k 1/10W
CB_OUT
R2608 0 CHIP
R2619 0 CHIP
R2620 10k 1/10W
R2622 0 CHIP
CB_HDMI
C2602 XX
R2613 0 CHIP
R2611 10k 1/10W
R2610 0 CHIP
R2623 10k 1/10W
IC2601
MC74LVX8053DTR2
ANALOGUE SWITCH (YUV)
Q2601 DTC115EUA-T106
HDMI_SEL
R2570 XX
R2567 0 CHIP
R2568 0 CHIP
R2569 0 CHIP
YSYNC
YHD_M
CB
C2542 XX
Y_OUT1
CR_OUT1
R2585 XX
R2587 0 CHIP
R2588 0 CHIP
R2572 XX
R2579 10k 1/10W
CB_OUT1
CB_HD
C2559 0.47 10V
R2600 10k 1/10W
R2571 0 CHIP
R2601 10k 1/10W
CR_HD
R2602 10k 1/10W
C2560 0.47 10V
R2586 10k 1/10W
IC2506
MC74LVX8053DTR2
ANALOGUE SWITCH (YUV)
HD
Q2508 DTC115EUA-T106
L2502 10uH
C2505 47 16V
IC2507
TC7WT241FU(TE12R)
ANALOGUE SWITCH
C2543 0.1 16V
D2501 MMDL914T1
R2592 10k 1/10W
R2573 4.7k RN-CP
FB2
R2591 100 1/10W
Q2509 MSD601-RST1
R2594 10k 1/10W
D2502 MMDL914T1
R2593 100 1/10W
FB1
R2590 4.7k RN-CP
Q2510 MSD601-RST1
R2596 4.7k 1/10W
D2503 MMDL914T1
R2589 4.7k RN-CP
FB_IN
R2595 1k 1/10W
Q2513 MSD601-RST1
R2598 10k 1/10W
Q2514 MSD601-RST1
FB_DET
R2599 100 1/10W
R2597 6.8k 1/10W
C2591 10 16V

~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page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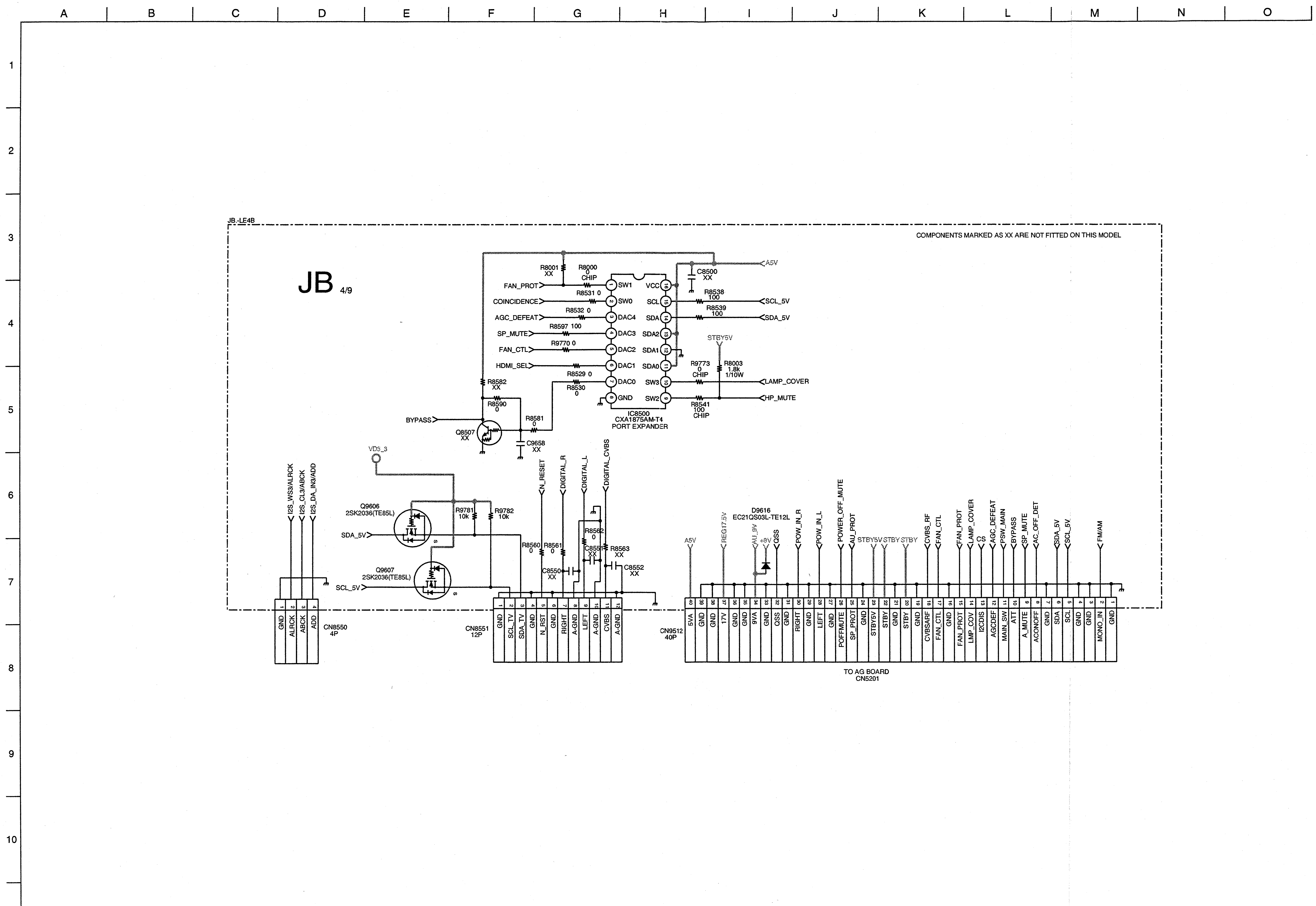
JB-LE4B
JB 3/9
CN9500 21P
CN9501 21P
CN9505 15P BRN
CN9514 8P
TO H3 BOARD CN4303
CN3803
IC9500 CXA2069Q-TL
Q9500 MSD601-RST1
Q9601 MSD601-RST1
Q9603 MSB709-RT1
Q9604 UN2213
Q9510 2SC4617R
Q9511 2SC4617R
Q9514 2SC1623-L5L6
Q9515 2SC1623-L5L6
Q9516 2SC1623-L5L6
Q9512 2SC1623-L5L6
J9154
L9500 10uH
L9502 22uH
L9510 22uH
R_OUT1
RIN1
L_OUT1
LIN1
B_SCART1
MODE1
G_SCART1
R_SCART1
FB1
VIN1
V_OUT1
R_OUT2
RIN2
L_OUT2
LIN2
B_SCART2
MODE2
G_SCART2
AVLINK
R_SCART2
FB2
VIN2
V_OUT2
AU_9V
CVBS_RF
COINCIDENCE
Y_HD
CB_HD
CR_HD
HD_L
HD_R
C_F
CVBS_F
Y_F
TX
LIN_F
RIN_F
HDMI_RST
SCL_B
SDA_B
CR_HDMI
CB_HDMI
Y_HDMI
HDMI_R(0)
HDMI_L(0)
HDMI_LR
STBY5V
SC3_OUT_R
SC3_IN_R
SC3_OUT_L
SC3_IN_L
MODE3
CIN3
SC3_OUT_VIDEO
VIN3
TUNER_R
CVBS_RF
TUNER_L
YHD_AV
MAIN_R_IN
MAIN_L_IN
C_MAIN
Y_MAIN
CVBS_MAIN
SC3_OUT_R
SC3_OUT_L
V_OUT2
SCL_5V
SDA_5V
YHD_M
JL9611
AU_9V
DIGITAL_R
DIGITAL_L
DIGITAL_CVBS
+10.5V
HDMI_RST
CEC
SCL
SDA
AGND
R
L
GND
CR
CB
Y
RIGHT OUT
RIGHT IN
LEFT OUT
LEFT IN
BLUE IN
MODE
GREEN IN
C IN/RED IN
BLANKING
VIDEO OUT
VIDEO IN

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 3/9 ~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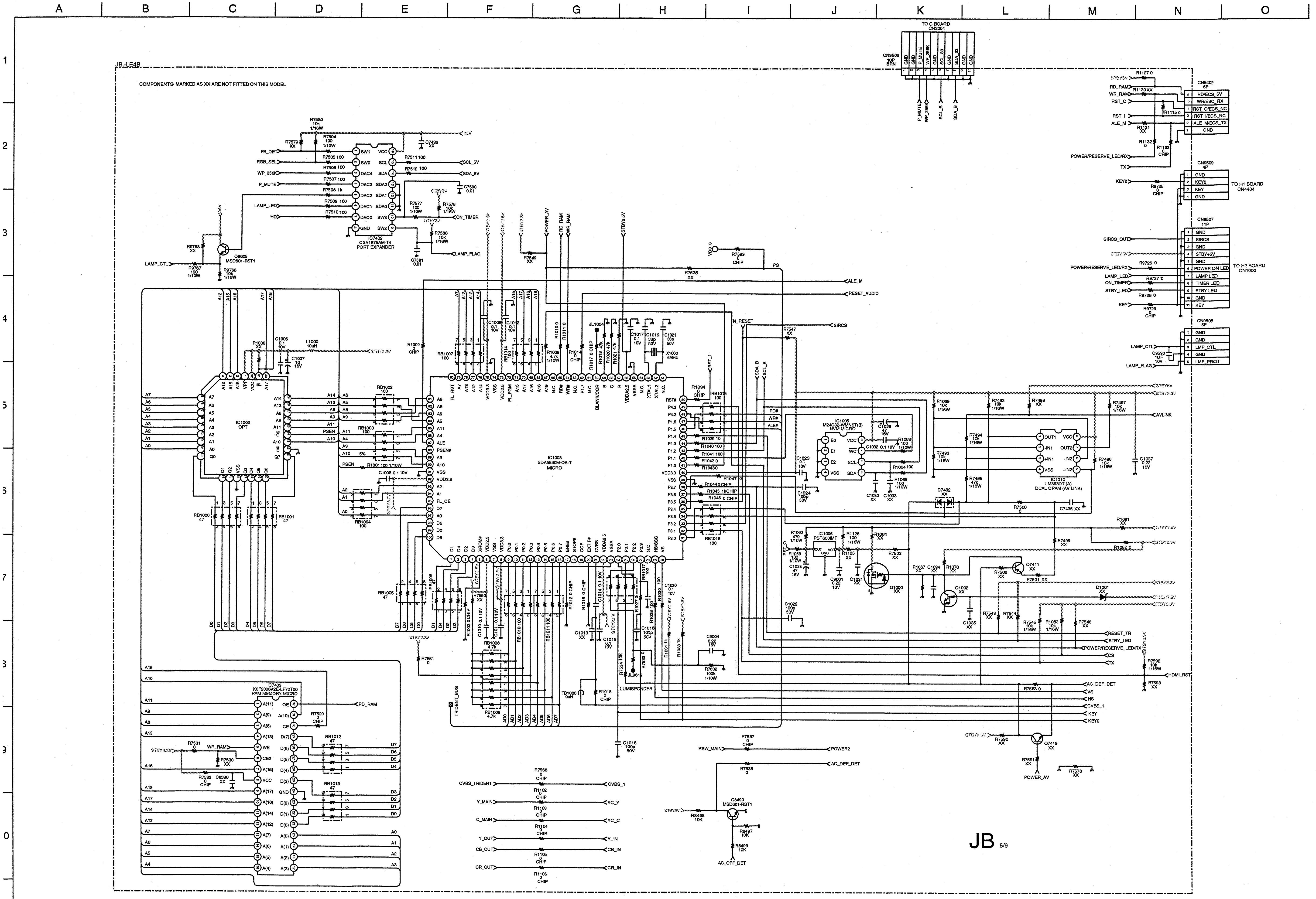
6
7
8
9
10
11
JB-LE4B
JB 4/9
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
A5V
R8001 XX
R8000 0 CHIP
C8500 XX
FAN_PROT
R8531 0
COINCIDENCE
R8532 0
AGC_DEFEAT
R8597 100
SP_MUTE
R9770 0
FAN_CTL
HDMI_SEL
R8529 0
R8530 0
R8582 XX
R8590 0
BYPASS
Q8507 XX
R8581 0
C9658 XX
SW1
SW0
DAC4
DAC3
DAC2
DAC1
DAC0
GND
VCC
SCL
SDA
SDA2
SDA1
SDA0
SW3
SW2
IC8500
CXA1875AM-T4
PORT EXPANDER
R8538 100
SCL_5V
R8539 100
SDA_5V
STBY5V
R9773 0 CHIP
R8003 1.8k 1/10W
LAMP_COVER
R8541 100 CHIP
HP_MUTE
VD3_3
Q9606
2SK2036(TE85L)
SDA_5V
Q9607
2SK2036(TE85L)
SCL_5V
R9781 10k
R9782 10k
I2S_WS3/ALRCK
I2S_CL3/ABCK
I2S_DA_IN3/ADD
N_RESET
DIGITAL_R
DIGITAL_L
DIGITAL_CVBS
R8560 0
R8561 0
R8562 0
C8550 XX
C8551 XX
R8563 XX
C8552 XX
CN8550 4P
1 GND
2 ALRCK
3 ABCK
4 ADD
CN8551 12P
1 GND
2 SCL_TV
3 SDA_TV
4 GND
5 N_RST
6 GND
7 RIGHT
8 A-GND
9 LEFT
10 A-GND
11 CVBS
12 A-GND
D9616
EC21QS03L-TE12L
A5V
REG17.5V
AU_9V
+9V
QSS
POW_IN_R
POW_IN_L
POWER_OFF_MUTE
AU_PROT
STBY5V
STBY
STBY
CVBS_RF
FAN_CTL
FAN_PROT
LAMP_COVER
CS
AGC_DEFEAT
PSW_MAIN
BYPASS
SP_MUTE
AC_OFF_DET
SDA_5V
SCL_5V
FM/AM
CN9512 40P
40 5VA
39 GND
38 GND
37 17V
36 GND
35 GND
34 9VA
33 GND
32 QSS
31 GND
30 RIGHT
29 GND
28 LEFT
27 GND
26 POFFMUTE
25 SP_PROT
24 GND
23 STBY5V
22 STBY
21 GND
20 STBY
19 GND
18 CVBSARF
17 FAN_CTL
16 GND
15 FAN_PROT
14 LMP_COV
13 I2CDIS
12 AGCDEF
11 MAIN_SW
10 ATT
9 A_MUTE
8 ACONOFF
7 GND
6 SDA
5 SCL
4 GND
3 GND
2 MONO_IN
1 GND
TO AG BOARD
CN5201

~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page


A
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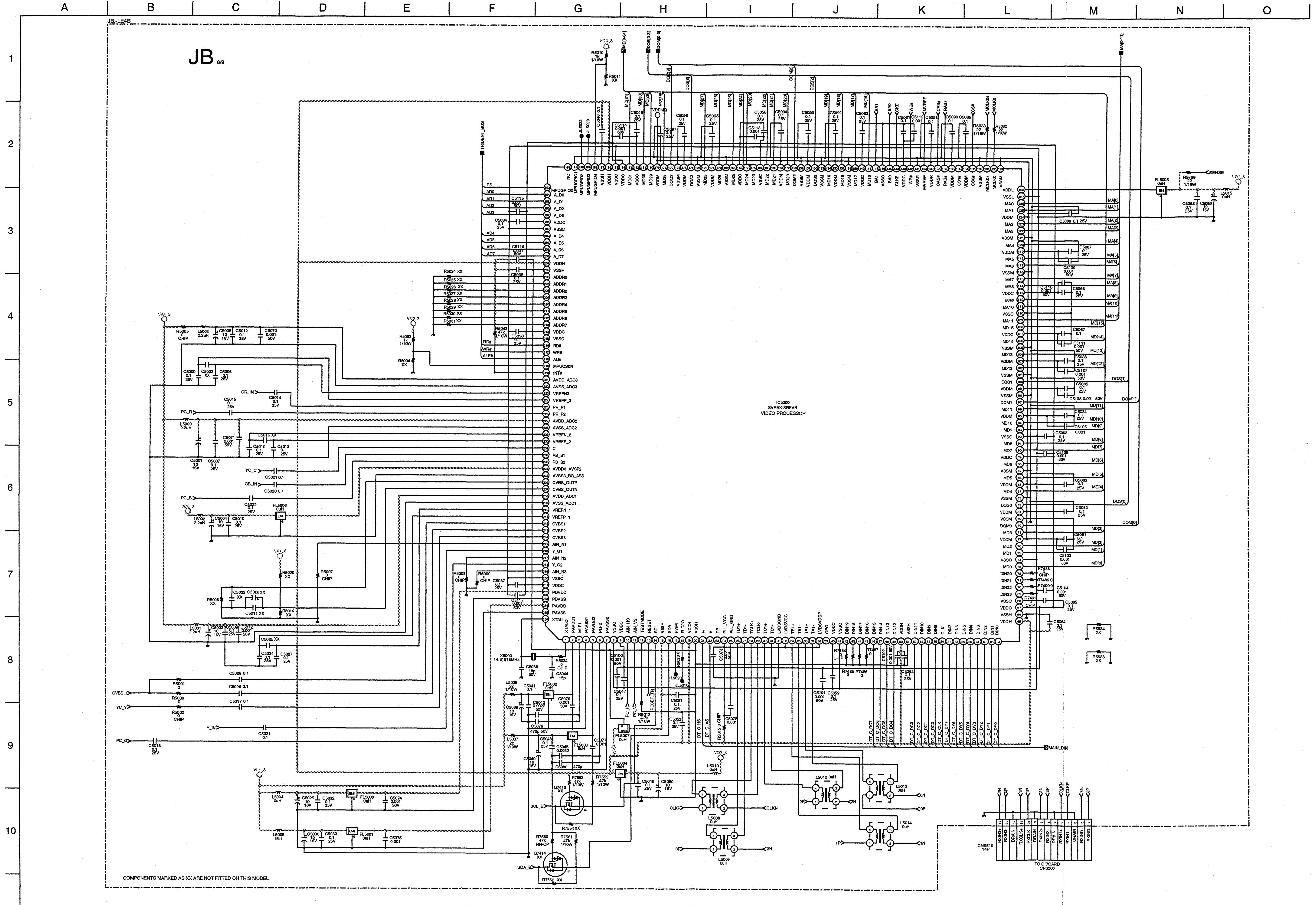
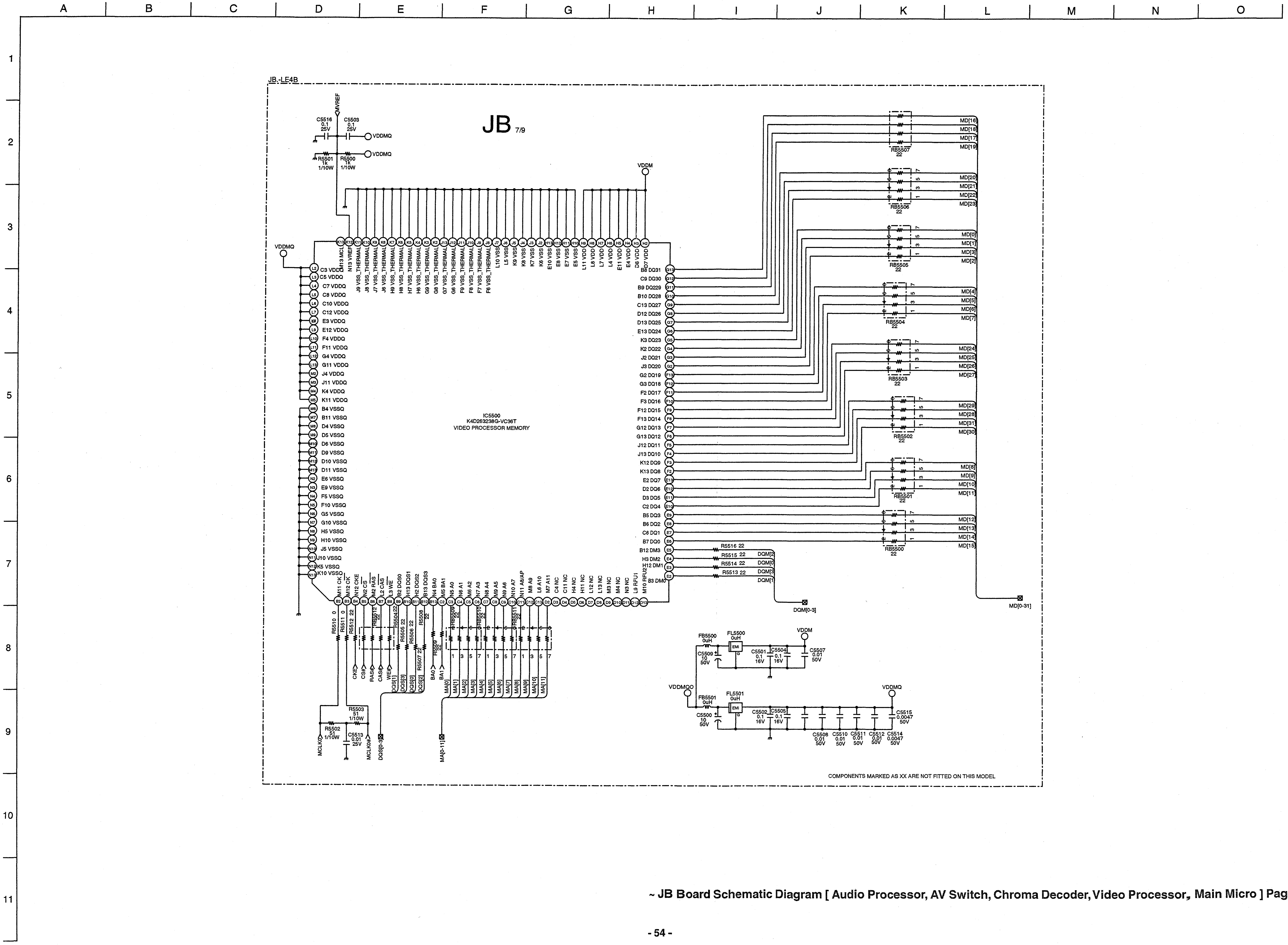
D
E
F
G
H
I
J
K
L
M
N
O
JB_LE4B
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
TO C BOARD CN3004
CN9506 10P BRN
P_MUTE
WP_256K
SCL_B
SDA_B
CN5402 6P
RD/ECS_5V
WR/ESC_RX
RST_O/ECS_NC
RST_I/ECS_NC
ALE_M/ECS_TX
GND
CN9509 4P
KEY2
KEY
TO H1 BOARD CN4404
CN9507 11P
SIRCS
STBY+5V
POWER ON LED
LAMP LED
TIMER LED
STBY LED
TO H2 BOARD CN1000
CN9508 5P
LMP_CTL
LMP_PROT
IC7402 CXA1875AM-T4 PORT EXPANDER
Q9605 MSD601-RST1
IC1002 OPT
IC1003 SDA5550M-QB-T MICRO
IC1005 M24C32-WMN6T(B) NVM MICRO
IC1010 LM393DT (A) DUAL OPAM (AV LINK)
IC1006 PST600IMT
IC7403 K6F2008V2E-LF70T00 RAM MEMORY MICRO
X1000 6MHz
Q1000
Q1002
Q7411
Q7419
Q8490 MSD601-RST1
D1001
D7402
LUMISPONDER
TRIDENT_BUS
FB_DET
RGB_SEL
WP_256K
P_MUTE
LAMP_LED
HD
LAMP_CTL
ON_TIMER
LAMP_FLAG
SCL_5V
SDA_5V
ALE_M
RESET_AUDIO
SIRCS
AVLINK
RESET_TR
STBY_LED
POWER/RESERVE_LED/RX
CS
TX
HDMI_RST
AC_DEF_DET
VS
HS
CVBS_1
KEY
KEY2
PSW_MAIN
POWER2
AC_OFF_DET
POWER_AV
RD_RAM
WR_RAM
CVBS_TRIDENT
Y_MAIN
C_MAIN
Y_OUT
CB_OUT
CR_OUT
YC_Y
YC_C
Y_IN
CB_IN
CR_IN
JB 5/9
1
2
3
4
5
6
7
8
9
0
1

~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 5/9 ~


JB 6/9
JB-LE4B
IC5000
SVPEX-SREVB
VIDEO PROCESSOR
TRIDENT_BUS
MD[0-31]
DQS[0-3]
DQM[0-3]
MA[0-11]
SENSE
MAIN_DIN
CVBS_C
YC_Y
Y_IN
PC_G
PC_R
PC_B
CR_IN
CB_IN
YC_C
SCL_B
SDA_B
CLKP
CLKN
X5000
14.31818MHz
CN9510
14P
TO C BOARD
CN3200
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page


A
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F
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J
K
L
M
N
O
1
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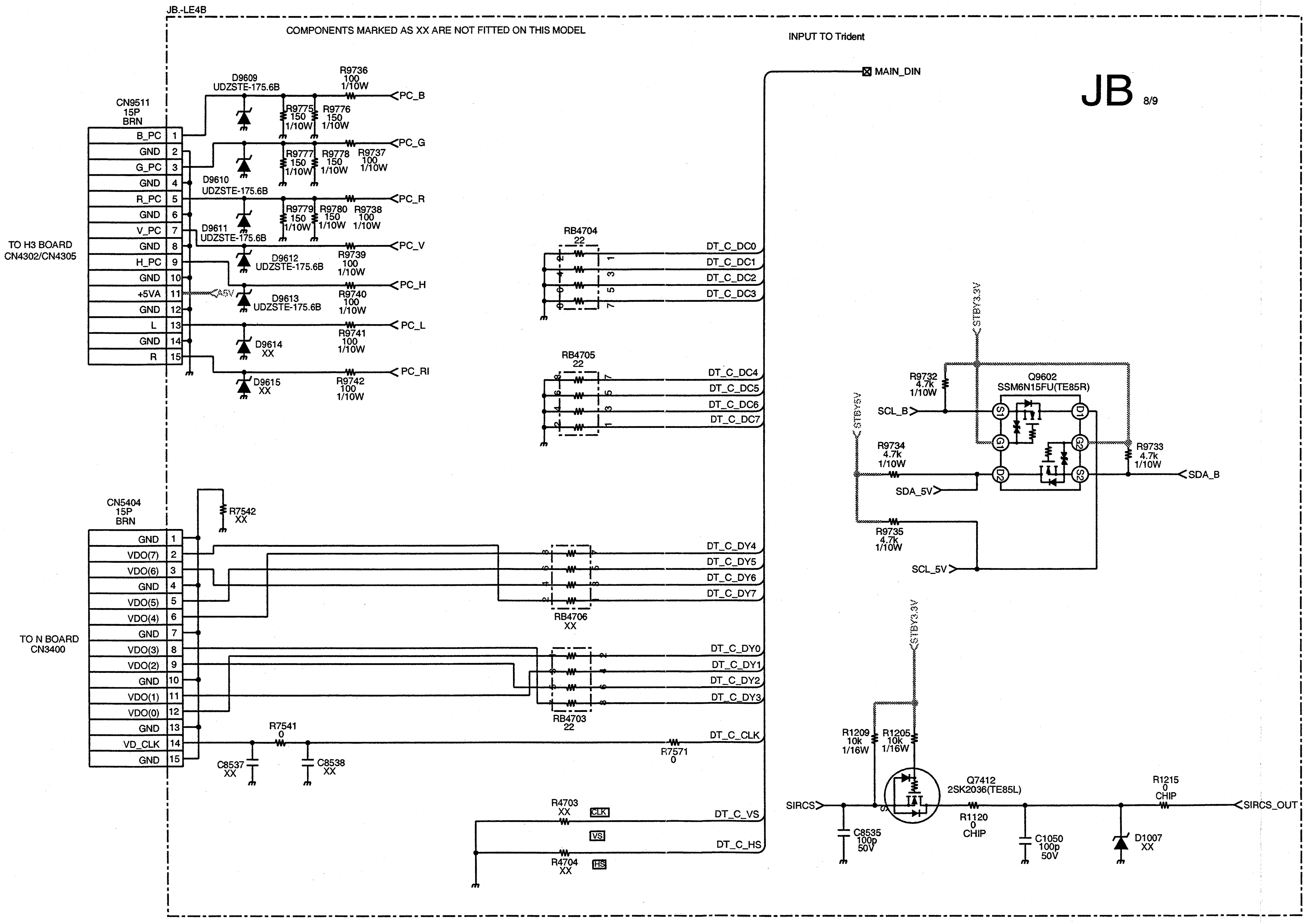
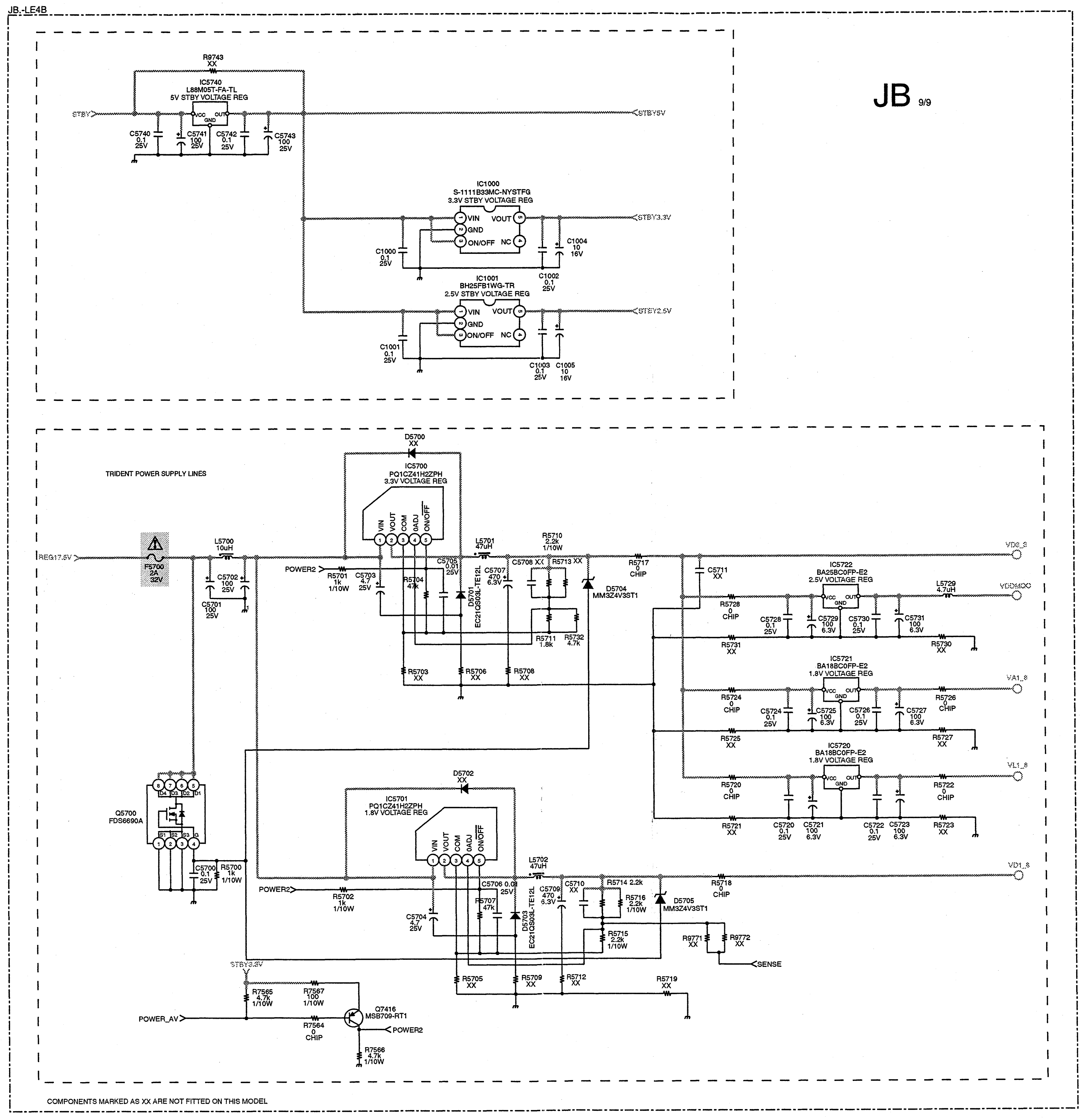
6
7
8
9
10
11
JB.-LE4B
JB 7/9
MVREF
C5516 0.1 25V
C5503 0.1 25V
VDDMQ
R5501 1K 1/10W
R5500 1K 1/10W
VDDM
VDDMQ
IC5500
K4D263238G-VC36T
VIDEO PROCESSOR MEMORY
RB5507 22
RB5506 22
RB5505 22
RB5504 22
RB5503 22
RB5502 22
RB5501 22
RB5500 22
MD[16]
MD[18]
MD[17]
MD[19]
MD[20]
MD[21]
MD[22]
MD[23]
MD[0]
MD[1]
MD[3]
MD[2]
MD[4]
MD[5]
MD[6]
MD[7]
MD[24]
MD[25]
MD[26]
MD[27]
MD[29]
MD[28]
MD[31]
MD[30]
MD[8]
MD[9]
MD[10]
MD[11]
MD[12]
MD[13]
MD[14]
MD[15]
MD[0-31]
R5516 22
R5515 22
R5514 22
R5513 22
DQM[2
DQM[0
DQM[3
DQM[1
DQM[0-3]
R5510 0
R5511 0
R5512 22
RB5512 22
R5504 22
R5505 22
R5506 22
R5507 22
R5508 22
R5509 22
RB5509 22
RB5510 22
RB5511 22
CKE
CS#
RAS#
CAS#
WE#
DQS[1]
DQS[3]
DQS[0]
DQS[2]
BA0
BA1
MA[0]
MA[1]
MA[2]
MA[3]
MA[4]
MA[5]
MA[6]
MA[7]
MA[8]
MA[9]
MA[10]
MA[11]
R5503 51 1/10W
R5502 51 1/10W
C5513 0.01 25V
MCLK0
MCLK0#
DQS[0-3]
MA[0-11]
FB5500 0uH
FL5500 0uH
EMI
C5509 10 50V
C5501 0.1 16V
C5504 0.1 16V
C5507 0.01 50V
VDDMQO
FB5501 0uH
FL5501 0uH
C5500 10 50V
C5502 0.1 16V
C5505 0.1 16V
C5508 0.01 50V
C5510 0.01 50V
C5511 0.01 50V
C5512 0.01 50V
C5514 0.0047 50V
C5515 0.0047 50V
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 7/9 ~


JB.-LE4B
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
INPUT TO Trident
MAIN_DIN
JB 8/9
CN9511 15P BRN
B_PC 1
GND 2
G_PC 3
GND 4
R_PC 5
GND 6
V_PC 7
GND 8
H_PC 9
GND 10
+5VA 11
GND 12
L 13
GND 14
R 15
TO H3 BOARD CN4302/CN4305
A5V
D9609 UDZSTE-175.6B
D9610 UDZSTE-175.6B
D9611 UDZSTE-175.6B
D9612 UDZSTE-175.6B
D9613 UDZSTE-175.6B
D9614 XX
D9615 XX
R9775 150 1/10W
R9776 150 1/10W
R9777 150 1/10W
R9778 150 1/10W
R9779 150 1/10W
R9780 150 1/10W
R9736 100 1/10W
R9737 100 1/10W
R9738 100 1/10W
R9739 100 1/10W
R9740 100 1/10W
R9741 100 1/10W
R9742 100 1/10W
PC_B
PC_G
PC_R
PC_V
PC_H
PC_L
PC_RI
RB4704 22
RB4705 22
RB4706 XX
RB4703 22
DT_C_DC0
DT_C_DC1
DT_C_DC2
DT_C_DC3
DT_C_DC4
DT_C_DC5
DT_C_DC6
DT_C_DC7
CN5404 15P BRN
GND 1
VDO(7) 2
VDO(6) 3
GND 4
VDO(5) 5
VDO(4) 6
GND 7
VDO(3) 8
VDO(2) 9
GND 10
VDO(1) 11
VDO(0) 12
GND 13
VD_CLK 14
GND 15
TO N BOARD CN3400
R7542 XX
R7541 0
C8537 XX
C8538 XX
R7571 0
DT_C_DY4
DT_C_DY5
DT_C_DY6
DT_C_DY7
DT_C_DY0
DT_C_DY1
DT_C_DY2
DT_C_DY3
DT_C_CLK
R4703 XX
R4704 XX
CLK
VS
HS
DT_C_VS
DT_C_HS
STBY3.3V
STBY5V
R9732 4.7k 1/10W
Q9602 SSM6N15FU(TE85R)
SCL_B
S1
G1
D1
G2
D2
S2
R9734 4.7k 1/10W
R9733 4.7k 1/10W
SDA_B
SDA_5V
R9735 4.7k 1/10W
SCL_5V
STBY3.3V
R1209 10k 1/16W
R1205 10k 1/16W
Q7412 2SK2036(TE85L)
SIRCS
C8535 100p 50V
R1120 0 CHIP
C1050 100p 50V
R1215 0 CHIP
D1007 XX
SIRCS_OUT

~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page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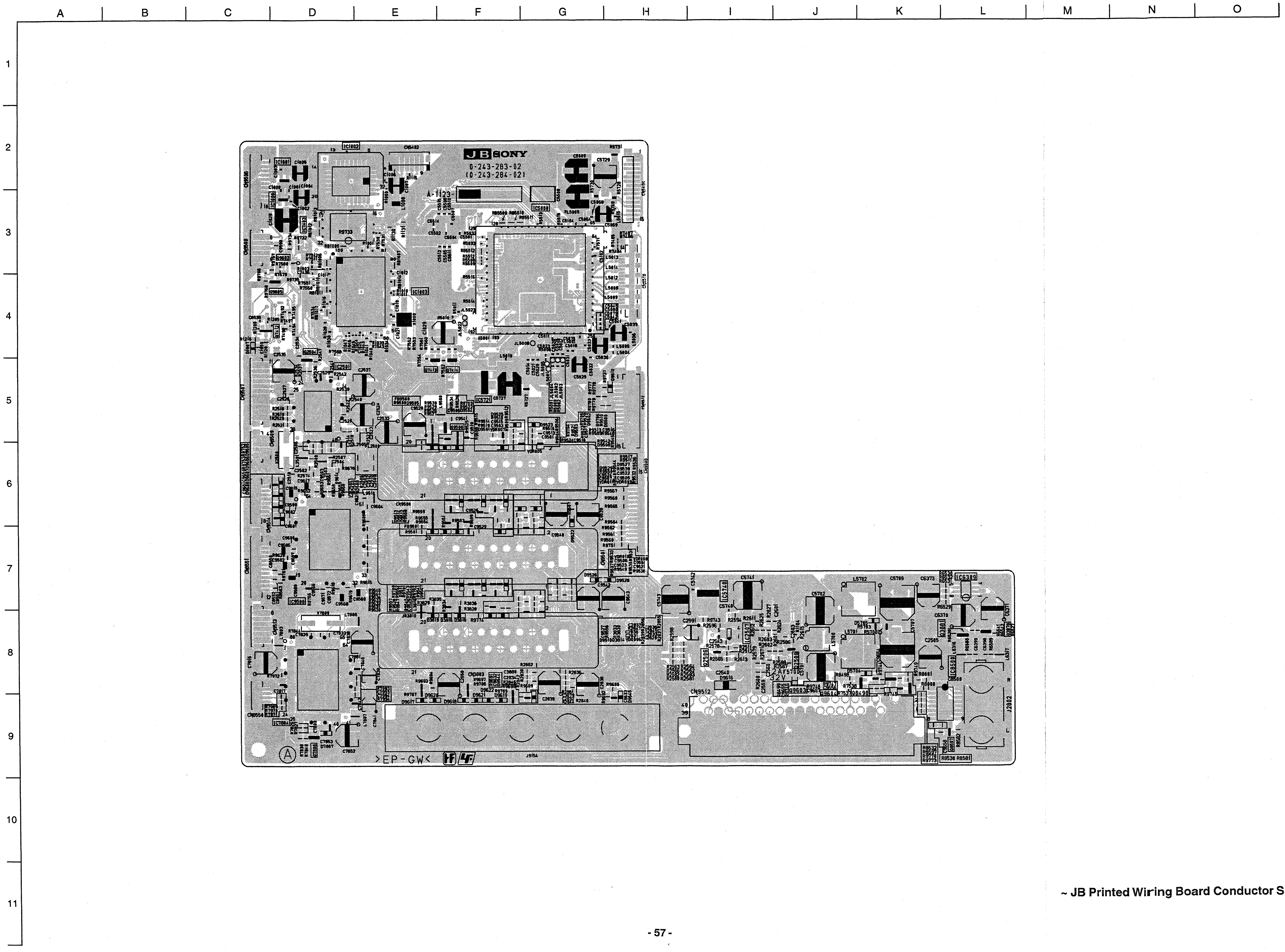
11
JB.-LE4B
JB 9/9
R9743
XX
IC5740
L88M05T-FA-TL
5V STBY VOLTAGE REG
STBY
VCC
OUT
GND
STBY5V
C5740
0.1
25V
C5741
100
25V
C5742
0.1
25V
C5743
100
25V
IC1000
S-1111B33MC-NYSTFG
3.3V STBY VOLTAGE REG
VIN
GND
ON/OFF
VOUT
NC
STBY3.3V
C1000
0.1
25V
C1002
0.1
25V
C1004
10
16V
IC1001
BH25FB1WG-TR
2.5V STBY VOLTAGE REG
STBY2.5V
C1001
0.1
25V
C1003
0.1
25V
C1005
10
16V
TRIDENT POWER SUPPLY LINES
D5700
XX
IC5700
PQ1CZ41H2ZPH
3.3V VOLTAGE REG
VIN
VOUT
COM
0ADJ
ON/OFF
REG17.5V
F5700
2A
32V
L5700
10uH
C5702
100
25V
C5701
100
25V
POWER2
R5701
1k
1/10W
C5703
4.7
25V
R5704
47k
C5705
0.01
25V
D5701
EC21QS03L-TE12L
L5701
47uH
C5707
470
6.3V
C5708 XX
R5710
2.2k
1/10W
R5713 XX
R5711
1.8k
R5732
4.7k
D5704
MM3Z4V3ST1
R5717
0
CHIP
R5703
XX
R5706
XX
R5708
XX
C5711
XX
VD3_3
IC5722
BA25BC0FP-E2
2.5V VOLTAGE REG
VCC
OUT
GND
L5729
4.7uH
VDDMOO
R5728
0
CHIP
C5728
0.1
25V
C5729
100
6.3V
C5730
0.1
25V
C5731
100
6.3V
R5731
XX
R5730
XX
IC5721
BA18BC0FP-E2
1.8V VOLTAGE REG
VA1_8
R5724
0
CHIP
C5724
0.1
25V
C5725
100
6.3V
C5726
0.1
25V
C5727
100
6.3V
R5726
0
CHIP
R5725
XX
R5727
XX
IC5720
BA18BC0FP-E2
1.8V VOLTAGE REG
VL1_8
R5720
0
CHIP
R5722
0
CHIP
R5721
XX
C5720
0.1
25V
C5721
100
6.3V
C5722
0.1
25V
C5723
100
6.3V
R5723
XX
Q5700
FDS6690A
D4 D3 D2 D1
S1 S2 S3 G
C5700
0.1
25V
R5700
1k
1/10W
D5702
XX
IC5701
PQ1CZ41H2ZPH
1.8V VOLTAGE REG
VIN
VOUT
COM
0ADJ
ON/OFF
POWER2
R5702
1k
1/10W
C5704
4.7
25V
C5706 0.01
25V
R5707
47k
D5703
EC21QS03L-TE12L
L5702
47uH
C5709
470
6.3V
C5710
XX
R5714 2.2k
R5716
2.2k
1/10W
R5715
2.2k
1/10W
D5705
MM3Z4V3ST1
R5718
0
CHIP
VD1_8
R9771
XX
R9772
XX
SENSE
R5705
XX
R5709
XX
R5712
XX
R5719
XX
STBY3.3V
R7565
4.7k
1/10W
R7567
100
1/10W
Q7416
MSB709-RT1
POWER_AV
R7564
0
CHIP
POWER2
R7566
4.7k
1/10W
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ JB Board Schematic Diagram [Audio Processor, AV Switch, Chroma Decoder, Video Processor, Main Micro] Page 9/9 ~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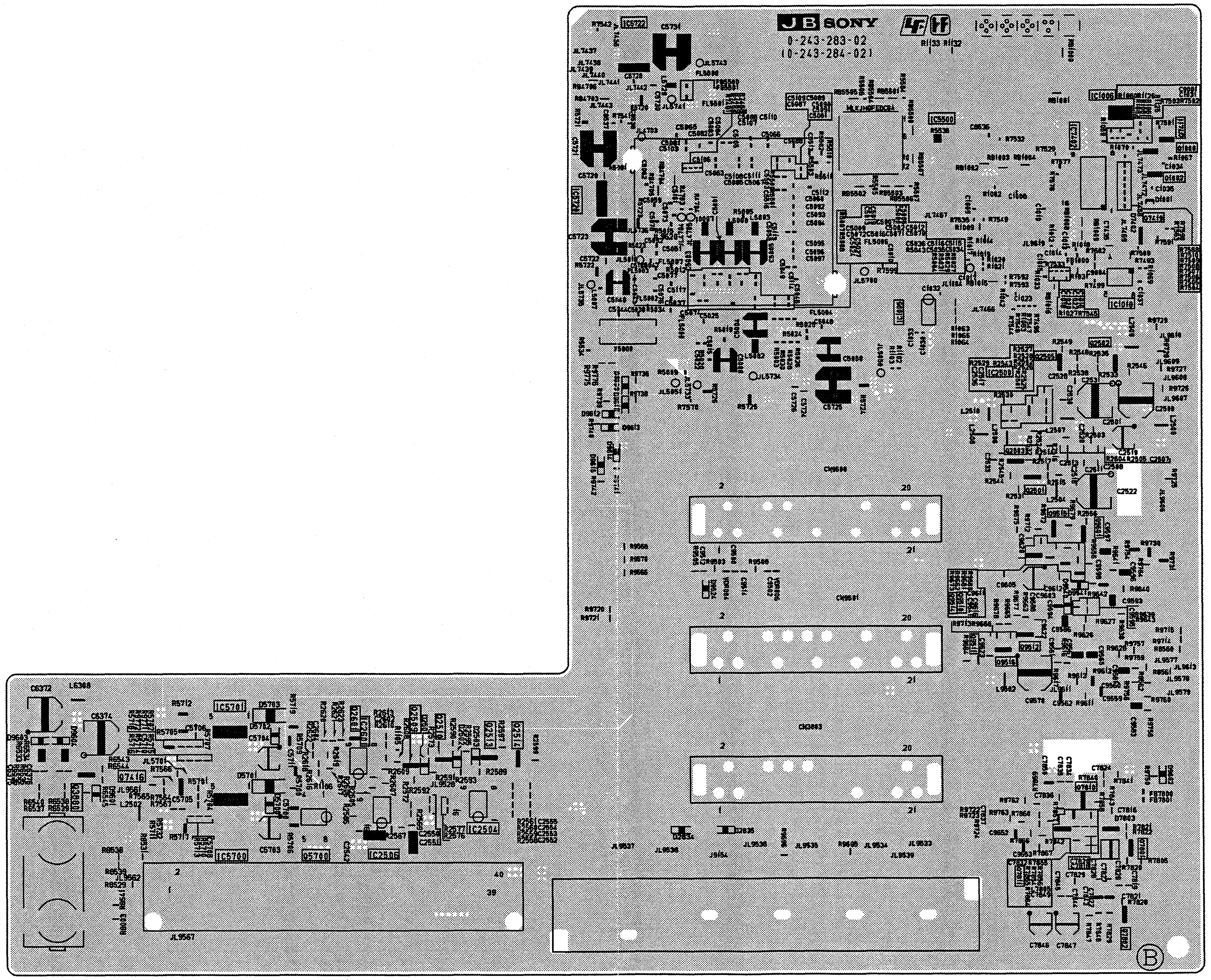
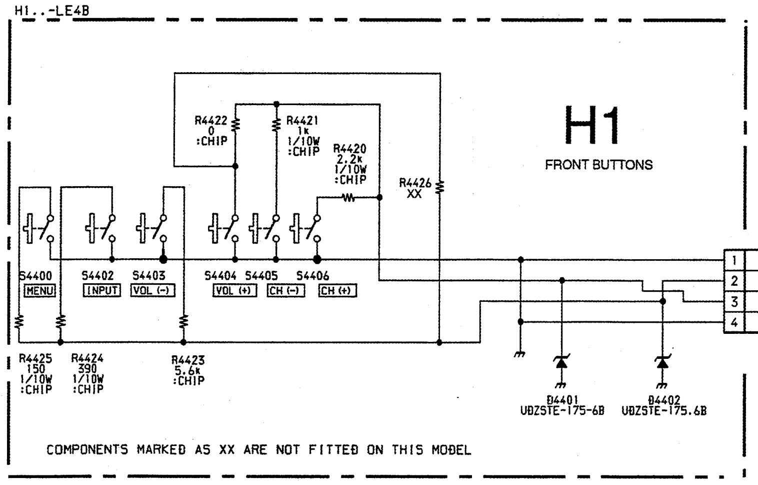
JB SONY
0-243-283-02
(0-243-284-02)
A-1123
>EP-GW<

~ JB Printed Wiring Board Conductor Side

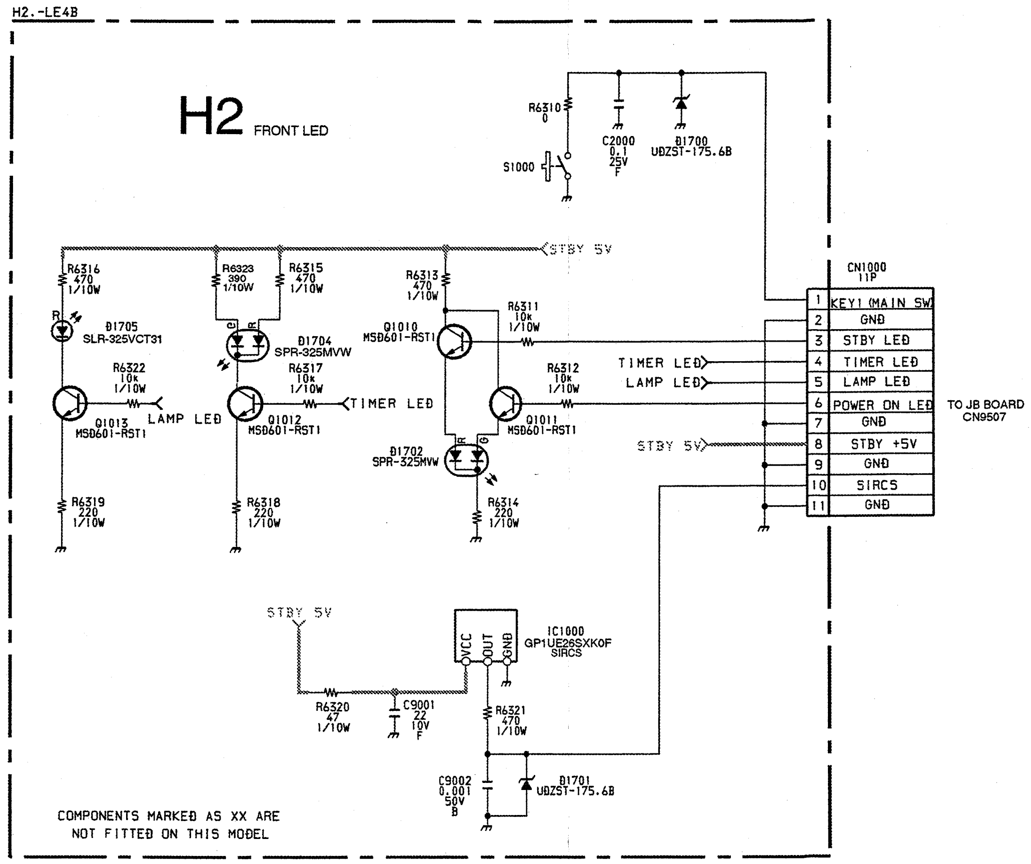

JB SONY
0-243-283-02
(0-243-284-02)
B

~ JB Printed Wiring Board Conductor Side B ~

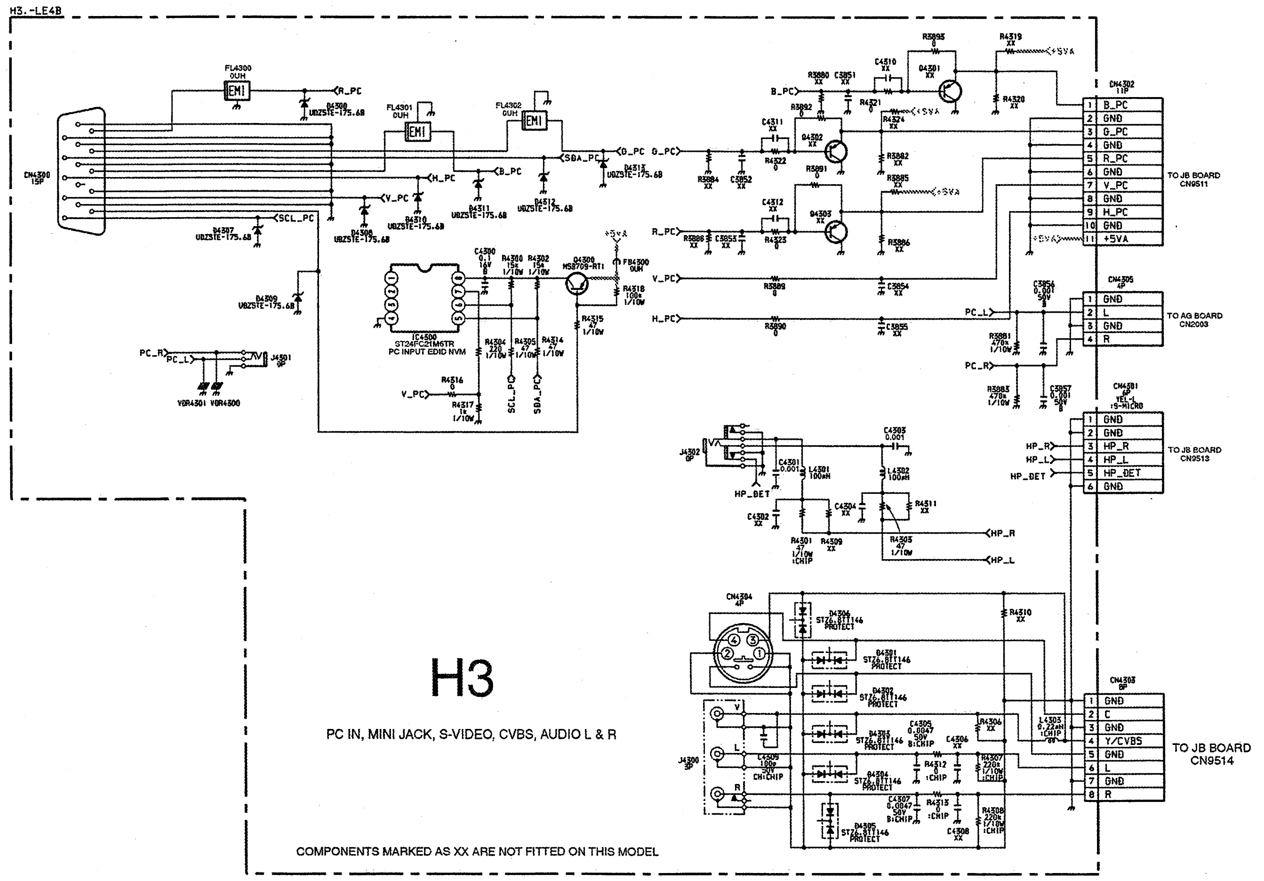
~ H1 Board Schematic Diagram [Front Buttons] ~


H1..-LE4B
H1
FRONT BUTTONS
R4422 0 :CHIP
R4421 1k 1/10W :CHIP
R4420 2.2k 1/10W :CHIP
R4426 XX
S4400 MENU
S4402 INPUT
S4403 VOL (-)
S4404 VOL (+)
S4405 CH (-)
S4406 CH (+)
CN4404 4P
1 GND
2 KEY
3 KEY 1
4 GND
TO H1 BOARD CN9509
R4425 150 1/10W :CHIP
R4424 390 1/10W :CHIP
R4423 5.6k :CHIP
D4401 UDZSTE-175-6B
D4402 UDZSTE-175.6B
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

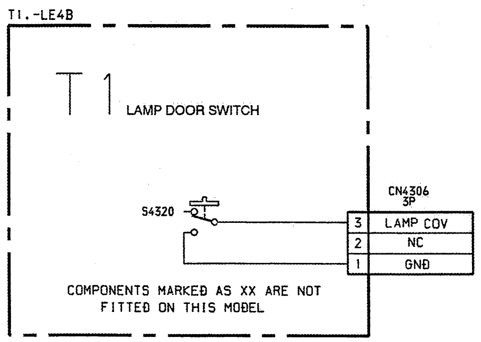
~ H2 Board Schematic Diagram [Front LED] ~


H2.-LE4B
H2 FRONT LED
R6310 0
S1000
C2000 0.1 25V F
D1700 UDZST-175.6B
STBY 5V
R6316 470 1/10W
R6323 390 1/10W
R6315 470 1/10W
R6313 470 1/10W
D1705 SLR-325VCT31
D1704 SPR-325MVW
Q1010 MSD601-RST1
R6311 10k 1/10W
R6322 10k 1/10W
R6317 10k 1/10W
TIMER LED
R6312 10k 1/10W
TIMER LED
LAMP LED
Q1013 MSD601-RST1
LAMP LED
Q1012 MSD601-RST1
Q1011 MSD601-RST1
D1702 SPR-325MVW
STBY 5V
R6319 220 1/10W
R6318 220 1/10W
R6314 220 1/10W
CN1000 11P
1 KEY1(MAIN SW)
2 GND
3 STBY LED
4 TIMER LED
5 LAMP LED
6 POWER ON LED
7 GND
8 STBY +5V
9 GND
10 SIRCS
11 GND
TO JB BOARD CN9507
STBY 5V
IC1000 GP1UE26SXK0F SIRCS
VCC OUT GND
R6320 47 1/10W
C9001 22 10V F
R6321 470 1/10W
C9002 0.001 50V B
D1701 UDZST-175.6B
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

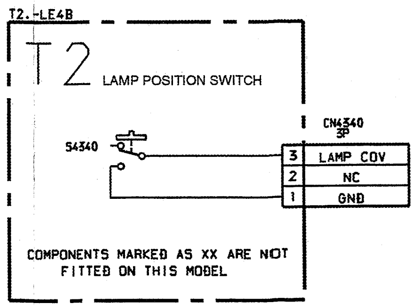
~ H3 Board Schematic Diagram [PC In, Minijack, S-Video, CVBS, Audio L+R] ~


H3.-LE4B
CN4300 15P
FL4300
FL4301
FL4302
IC4500 ST24FC21M6TR PC INPUT EDID NVM
CN4302 11P
1 B_PC
2 GND
3 G_PC
4 GND
5 R_PC
6 GND
7 V_PC
8 GND
9 H_PC
10 GND
11 +5VA
TO JB BOARD CN9511
CN4305 4P
1 GND
2 L
3 GND
4 R
TO AG BOARD CN2003
CN4301 6P
1 GND
2 GND
3 HP_R
4 HP_L
5 HP_DET
6 GND
TO JB BOARD CN9513
J4301
J4302
HP_R
HP_L
HP_DET
CN4304 4P
J4300
CN4303 8P
1 GND
2 C
3 GND
4 Y/CVBS
5 GND
6 L
7 GND
8 R
TO JB BOARD CN9514
H3
PC IN, MINI JACK, S-VIDEO, CVBS, AUDIO L & R
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

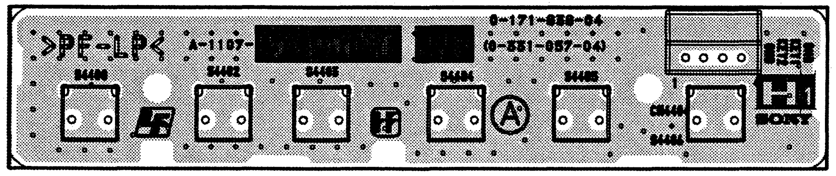
~ T1 Board Schematic Diagram [Lamp Door Switch] ~


T1.-LE4B
T1 LAMP DOOR SWITCH
S4320
CN4306 3P
3 LAMP COV
2 NC
1 GND
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

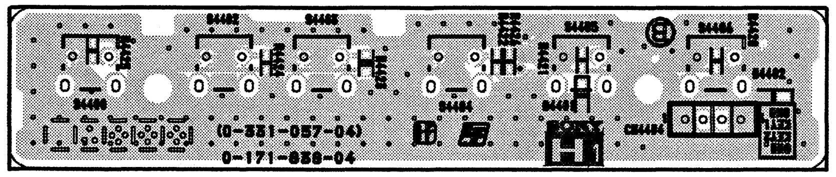
~ T2 Board Schematic Diagram [Lamp Position Switcl


T2.-LE4B
T2 LAMP POSITION SWITCH
S4340
CN4340 3P
3 LAMP COV
2 NC
1 GND
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

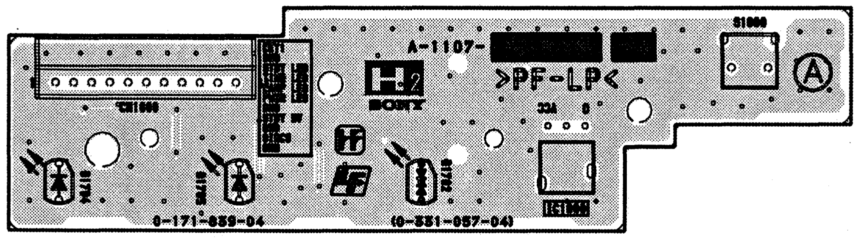
~ H1 Printed Wiring Board Conductor Side A ~


>PF-LP<
A-1107-
SONY

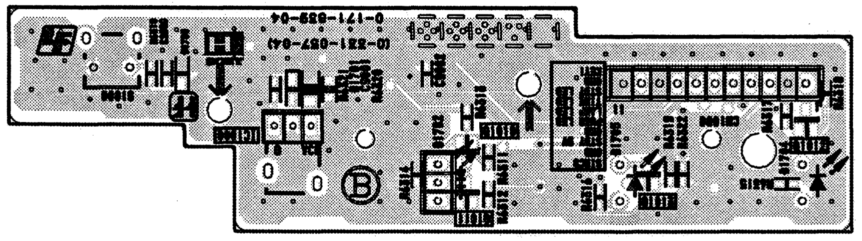
~ H1 Printed Wiring Board Conductor Side B ~



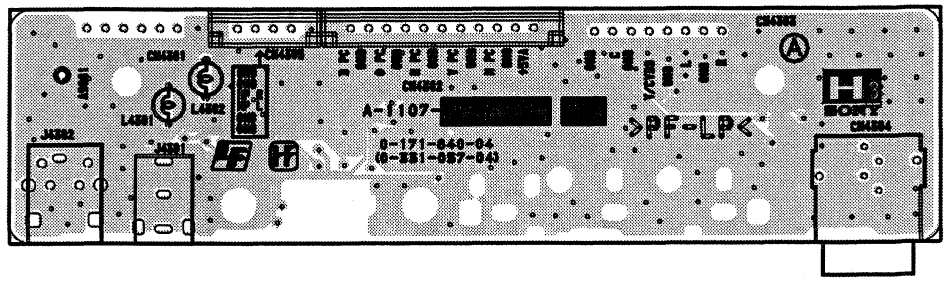
~ H2 Printed Wiring Board Conductor Side A ~


A-1107-
>PF-LP<
SONY

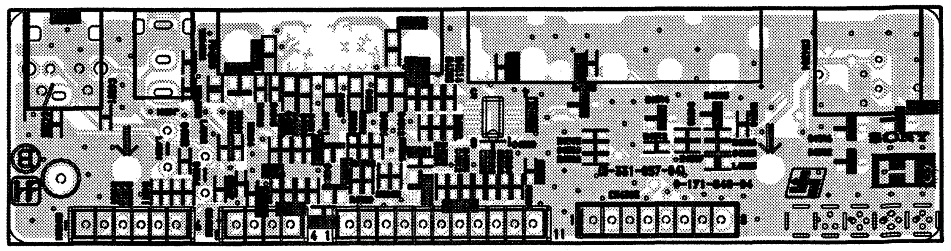
~ H2 Printed Wiring Board Conductor Side B ~



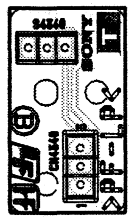
~ H3 Printed Wiring Board Conductor Side A ~


A-1107-
>PF-LP<
SONY

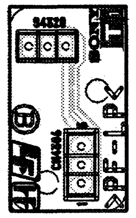
~ H3 Printed Wiring Board Conductor Side B ~

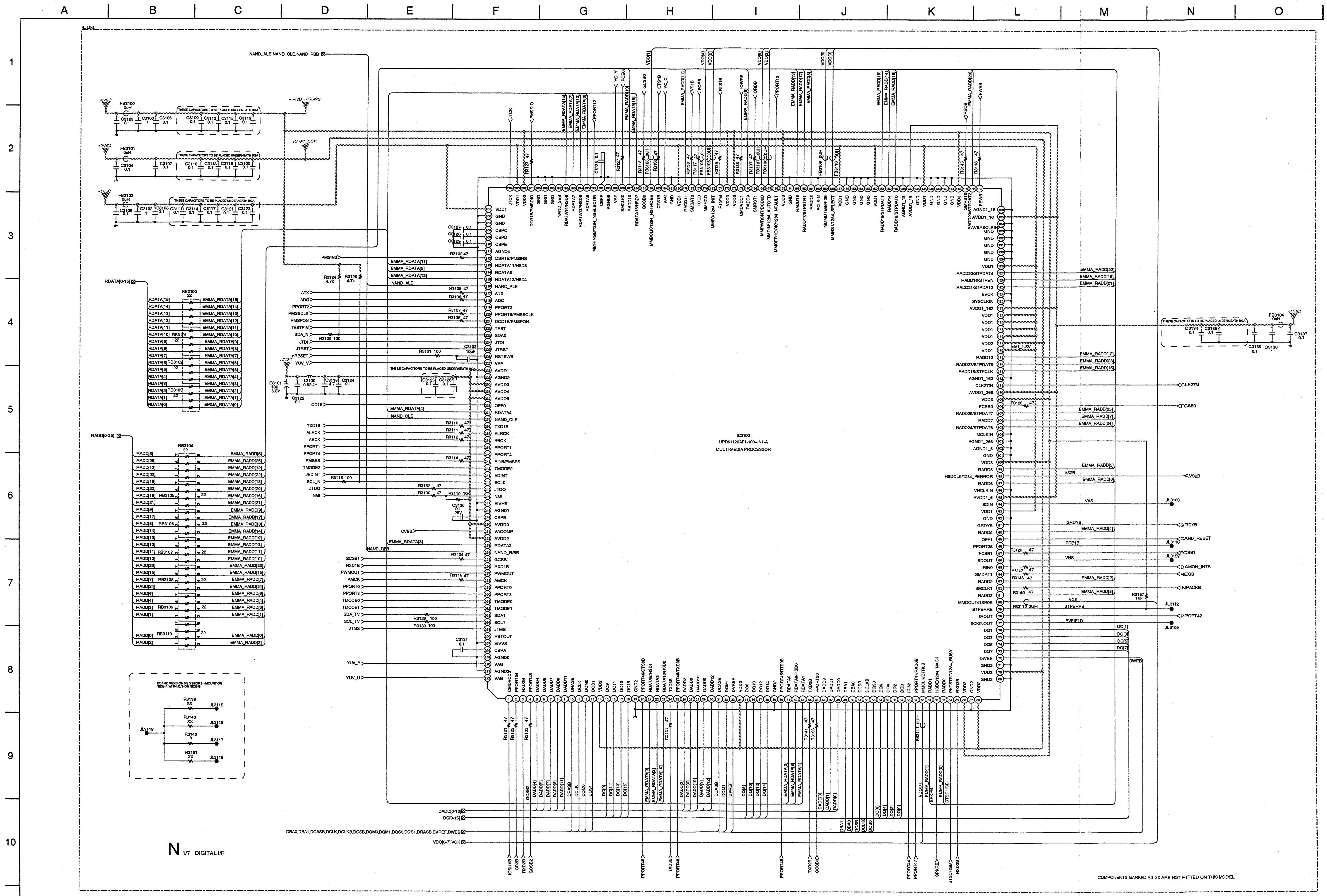


~ T2 Printed Wiring Board Conductor Side ~



~ T1 Printed Wiring Board Conductor Side ~

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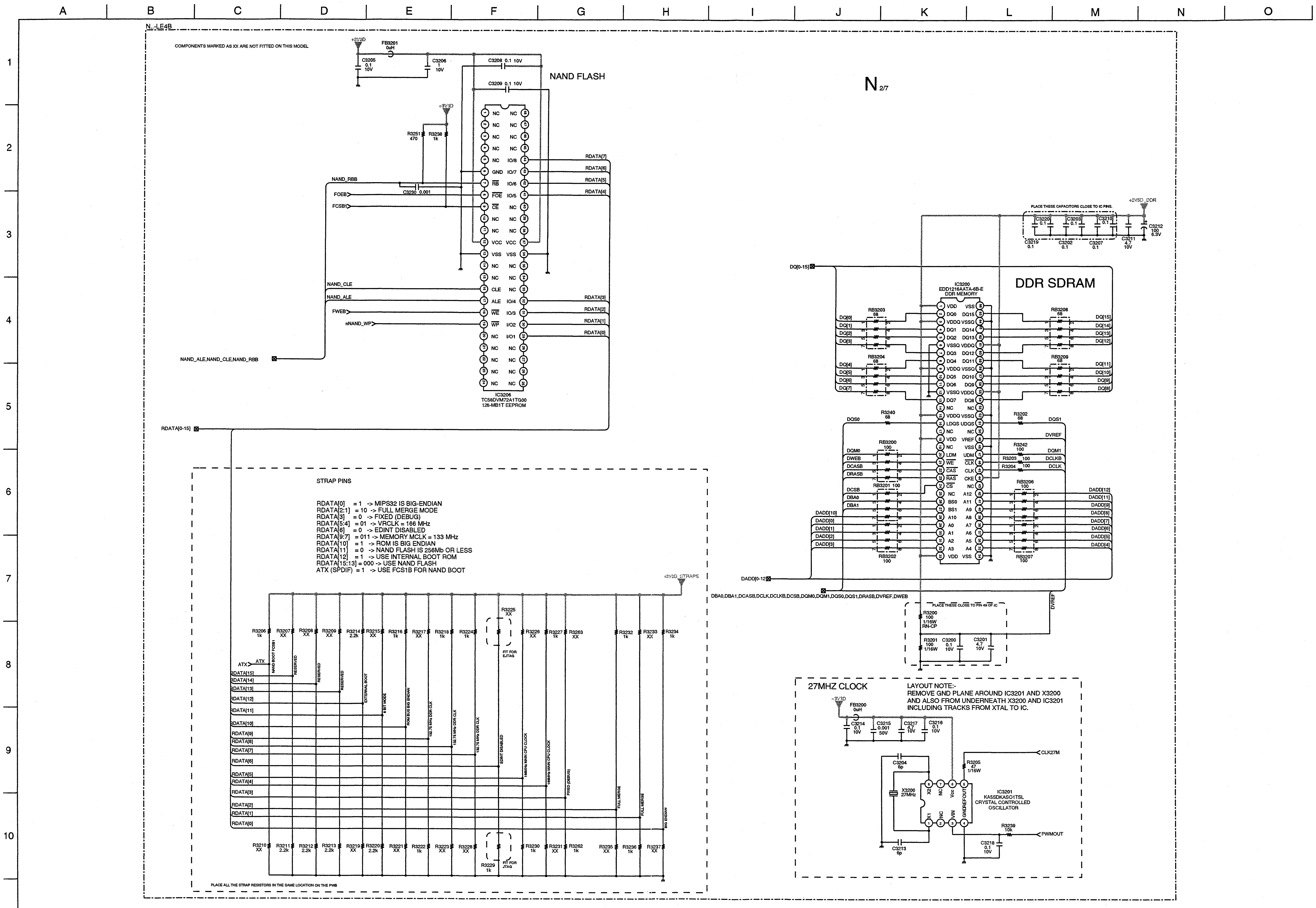
10
IC3100
UPD61120AF1-100-JN1-A
MULTI-MEDIA PROCESSOR
NAND_ALE,NAND_CLE,NAND_RBB
RDATA[0-15]
RADD[0-25]
THESE CAPACITORS TO BE PLACED UNDERNEATH BGA
FB3100
FB3101
FB3102
FB3104
RB3100
RB3104
BOARD VERSION RESISTORS - MOUNT ON SIDE-A WITH JL'S ON SIDE-B
R3139 XX JL3115
R3140 XX JL3116
R3146 0 JL3117
R3151 XX JL3118
JL3119
PMSINS
ATX
ADO
PPORT2
PMSSCLK
PMSPON
TESTPIN
SDA_N
JTDI
JTRST
nRESET
YUV_V
CD1B
TXD1B
ALRCK
ABCK
PPORT1
PPORT4
PMSBS
TMODE2
JEDINT
SCL_N
JTDO
NMI
CVBS
GCSB1
RXD1B
PWMOUT
AMCK
PPORT0
PPORT3
TMODE0
TMODE1
SDA_TV
SCL_TV
JTMS
YUV_Y
YUV_U
CLK27M
FCSB0
VS2B
JL3160
GRDYB
CARD_RESET
JL3110
FCSB1
JL3159
DAMON_INTB
REGB
INPACKB
JL3112
PPORT42
JL3109
DADD[0-12]
DQ[0-15]
DBA0,DBA1,DCASB,DCLK,DCLKB,DCSB,DQM0,DQM1,DQS0,DQS1,DRASB,DVREF,DWEB
VDO[0-7],VCK
IOS16B
CD2B
RXD2B
GCSB2
PPORT46
TXD3B
PPORT48
PPORT45
TXD2B
GCSB3
PPORT44
PPORT47
SPKRB
STSCHGB
RXD3B
N 1/7 DIGITAL I/F
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ N Board Schematic Diagram [Digital I/F] Page


A
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11
N_-LE4B
N 2/7
NAND FLASH
DDR SDRAM
IC3206
TC58DVM72A1TG00
128-MB1T EEPROM
IC3200
EDD1216AATA-6B-E
DDR MEMORY
FB3201
0uH
C3205
0.1
10V
C3206
1
10V
C3208 0.1 10V
C3209 0.1 10V
R3251
470
R3238
1k
C3230 0.001
NAND_RBB
FOEB
FCSB1
NAND_CLE
NAND_ALE
FWEB
nNAND_WP
NAND_ALE,NAND_CLE,NAND_RBB
RDATA[0-15]
RDATA[7]
RDATA[6]
RDATA[5]
RDATA[4]
RDATA[3]
RDATA[2]
RDATA[1]
RDATA[0]
DQ[0-15]
DADD[0-12]
DBA0,DBA1,DCASB,DCLK,DCLKB,DCSB,DQM0,DQM1,DQS0,DQS1,DRASB,DVREF,DWEB
+2V5D_DDR
PLACE THESE CAPACITORS CLOSE TO IC PINS.
C3212
100
6.3V
RB3203
RB3204
RB3208
RB3209
RB3200
RB3201 100
RB3202
RB3206
RB3207
R3240
R3202
R3242
R3203
R3204
PLACE THESE CLOSE TO PIN 49 OF IC
R3200
100
1/16W
RN-CP
R3201
100
1/16W
C3200
0.1
10V
C3201
4.7
10V
DVREF
+3V3D_STRAPS
NAND BOOT FCSB1
RESERVED
EXTERNAL BOOT
8 BIT MODE
ROM BUS BIG ENDIAN
EDINT DISABLED
FIXED (DEBUG)
FULL MERGE
BIG ENDIAN
FIT FOR EJTAG
FIT FOR JTAG
R3225
XX
R3229
1k
FB3200
0uH
C3214
0.1
10V
C3215
0.001
50V
C3217
4.7
10V
C3216
0.1
10V
C3204
6p
C3213
6p
X3200
27MHz
R3205
47
1/16W
IC3201
KA5SDKAS01TSL
CRYSTAL CONTROLLED
OSCILLATOR
R3239
10k
C3218
0.1
10V
CLK27M
PWMOUT

COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

STRAP PINS

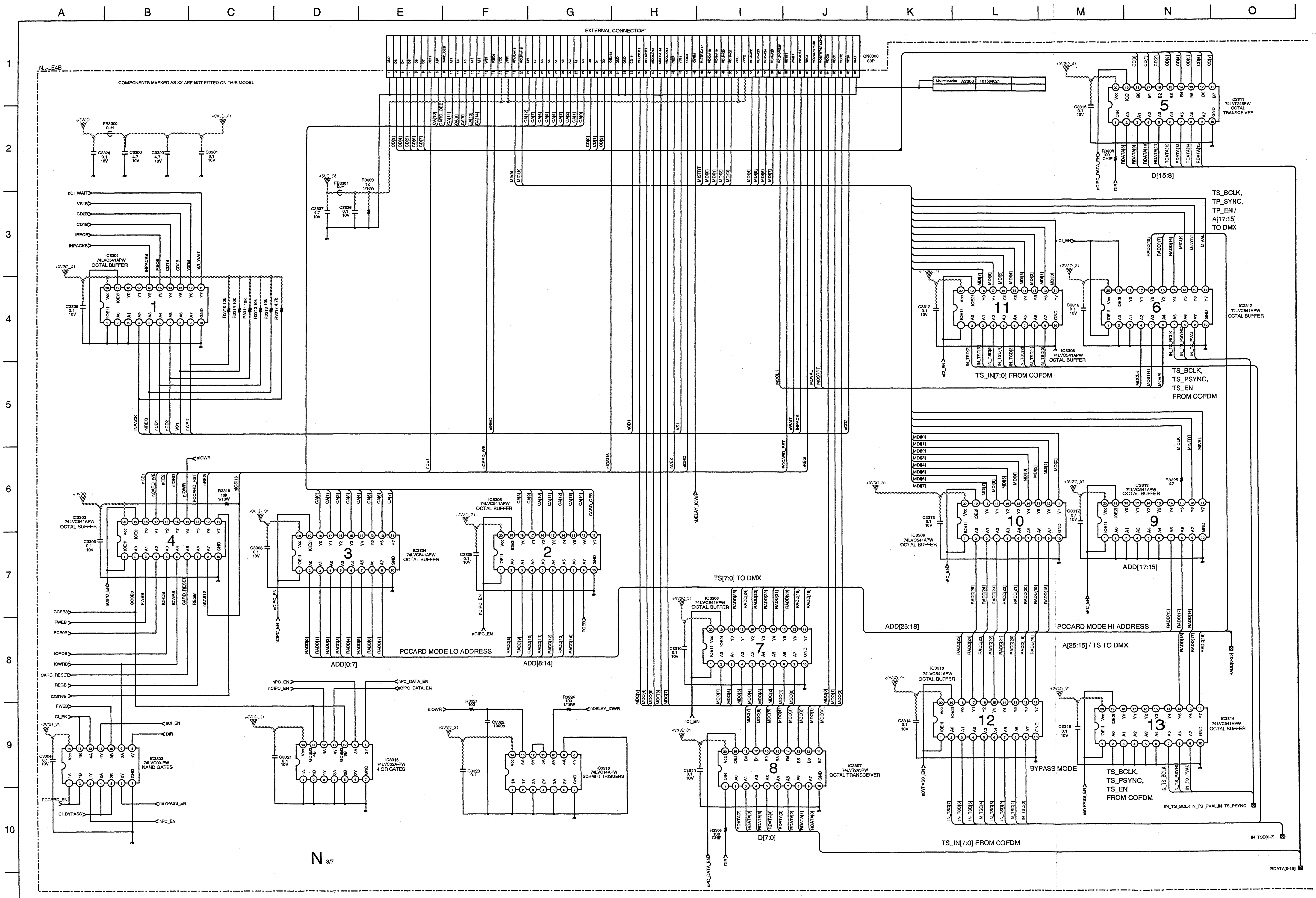
RDATA[0] = 1 -> MIPS32 IS BIG-ENDIAN
RDATA[2:1] = 10 -> FULL MERGE MODE
RDATA[3] = 0 -> FIXED (DEBUG)
RDATA[5:4] = 01 -> VRCLK = 166 MHz
RDATA[6] = 0 -> EDINT DISABLED
RDATA[9:7] = 011 -> MEMORY MCLK = 133 MHz
RDATA[10] = 1 -> ROM IS BIG ENDIAN
RDATA[11] = 0 -> NAND FLASH IS 256Mb OR LESS
RDATA[12] = 1 -> USE INTERNAL BOOT ROM
RDATA[15:13] = 000 -> USE NAND FLASH
ATX (SPDIF) = 1 -> USE FCS1B FOR NAND BOOT

PLACE ALL THE STRAP RESISTORS IN THE SAME LOCATION ON THE PWB

27MHZ CLOCK

LAYOUT NOTE:-
REMOVE GND PLANE AROUND IC3201 AND X3200
AND ALSO FROM UNDERNEATH X3200 AND IC3201
INCLUDING TRACKS FROM XTAL TO IC.

~ N Board Schematic Diagram [Digital I/F] Page 2/7 ~



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11
EXTERNAL CONNECTOR
CN3300
68P
N..-LE4B
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
Mount Mecha A3300 181564021
FB3300
C3324
C3300
C3320
C3301
FB3301
R3303
C3307
C3326
IC3301 74LVC541APW OCTAL BUFFER
IC3302 74LVC541APW OCTAL BUFFER
IC3303 74LVC00-PW NAND GATES
IC3304 74LVC541APW OCTAL BUFFER
IC3305 74LVC541APW OCTAL BUFFER
IC3306 74LVC541APW OCTAL BUFFER
IC3307 74LVT245PW OCTAL TRANSCEIVER
IC3308 74LVC541APW OCTAL BUFFER
IC3309 74LVC541APW OCTAL BUFFER
IC3310 74LVC541APW OCTAL BUFFER
IC3311 74LVT245PW OCTAL TRANSCEIVER
IC3312 74LVC541APW OCTAL BUFFER
IC3313 74LVC541APW OCTAL BUFFER
IC3314 74LVC541APW OCTAL BUFFER
IC3315 74LVC32A-PW 4 OR GATES
IC3316 74LVC14APW SCHMITT TRIGGERS
1
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7
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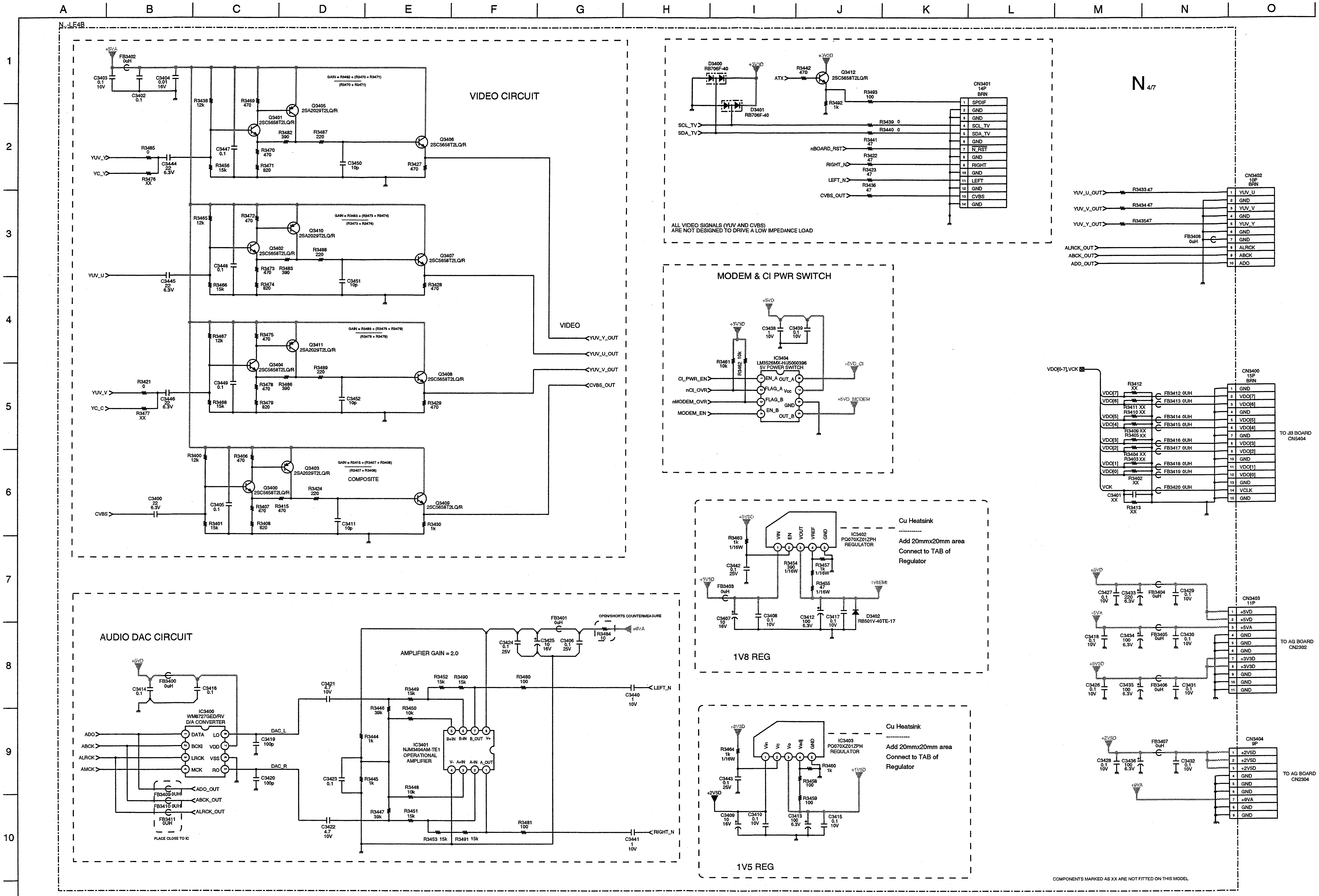
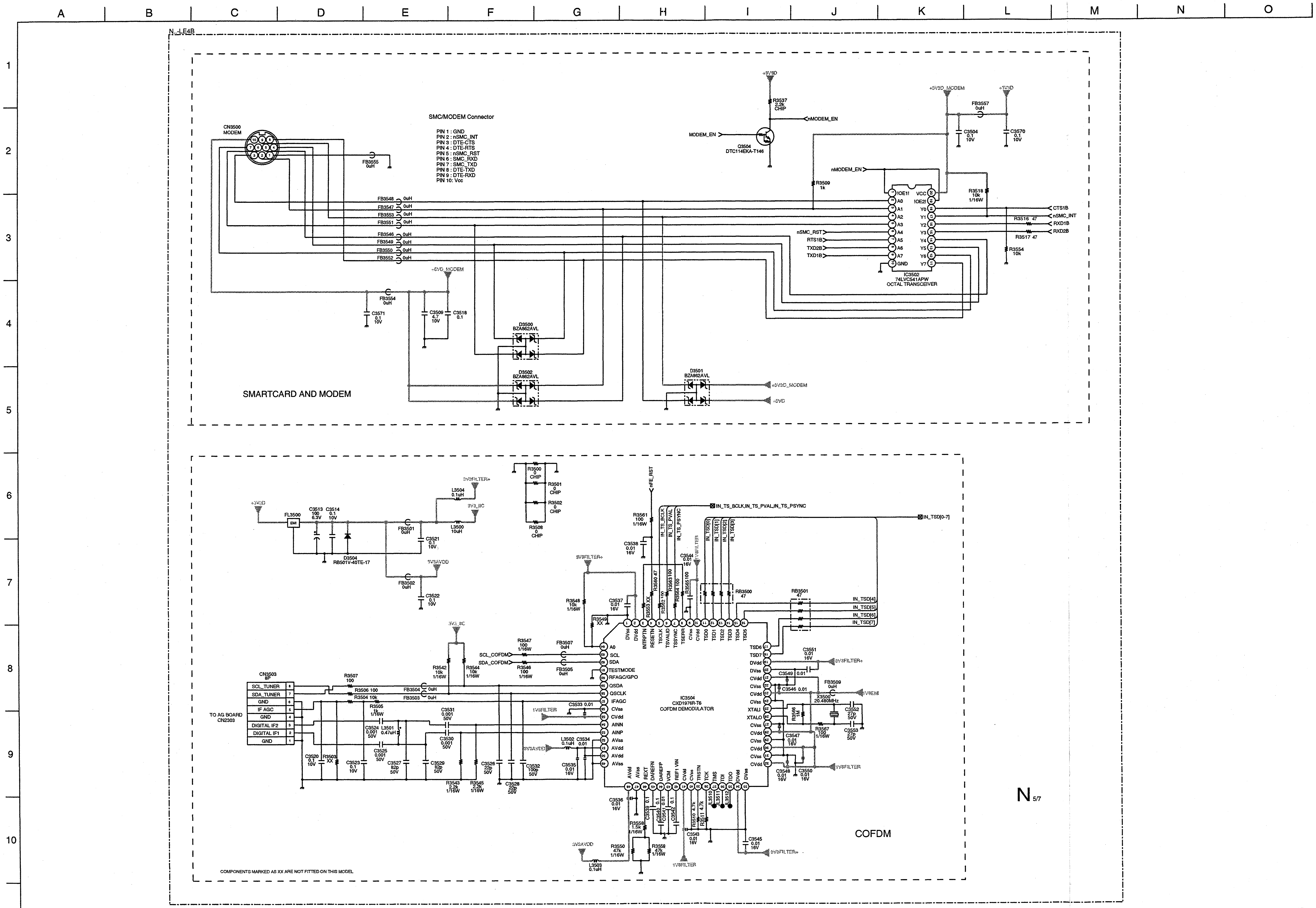
9
10
11
12
13
nCI_WAIT
VS1B
CD2B
CD1B
IREQB
INPACKB
INPACK
nIREQ
nCD1
nCD2
VS1
nWAIT
nIOWR
nCE1
nCARD_WE
nCE2
nIORD
PCCARD_RST
nREG
nIOIS16
GCSB3
FWEB
PCE0B
IORDB
IOWRB
CARD_RESET
REGB
IOSI16B
CI_EN
nCI_EN
DIR
PCCARD_EN
CI_BYPASS
nBYPASS_EN
nPC_EN
nCIPC_EN
nPC_DATA_EN
nCIPC_DATA_EN
nDELAY_IOWR
R3321
R3324
C3322
C3323
R3318
R3325
R3306
R3308
PCCARD MODE LO ADDRESS
ADD[0:7]
ADD[8:14]
FOEB
TS[7:0] TO DMX
D[7:0]
D[15:8]
nPC_DATA_EN
MIVAL
MICLK
MISTRT
MOCLK
MOSTRT
MOVAL
TS_BCLK,
TP_SYNC,
TP_EN /
A[17:15]
TO DMX
TS_IN[7:0] FROM COFDM
TS_BCLK,
TS_PSYNC,
TS_EN
FROM COFDM
ADD[25:18]
PCCARD MODE HI ADDRESS
ADD[17:15]
A[25:15] / TS TO DMX
RADD[0-25]
BYPASS MODE
TS_BCLK,
TS_PSYNC,
TS_EN
FROM COFDM
IN_TS_BCLK,IN_TS_PVAL,IN_TS_PSYNC
IN_TSD[0-7]
RDATA[0-15]
TS_IN[7:0] FROM COFDM
N 3/7

~ N Board Schematic Diagram [Digital I/F] Page


N-LE4B
N 4/7
VIDEO CIRCUIT
VIDEO
YUV_Y_OUT
YUV_U_OUT
YUV_V_OUT
CVBS_OUT
YUV_Y
YC_Y
YUV_U
YUV_V
YC_C
CVBS
COMPOSITE
Q3405 2SA2029T2LQ/R
Q3401 2SC5658T2LQ/R
Q3406 2SC5658T2LQ/R
Q3410 2SA2029T2LQ/R
Q3402 2SC5658T2LQ/R
Q3407 2SC5658T2LQ/R
Q3411 2SA2029T2LQ/R
Q3404 2SC5658T2LQ/R
Q3408 2SC5658T2LQ/R
Q3403 2SA2029T2LQ/R
Q3400 2SC5658T2LQ/R
Q3409 2SC5658T2LQ/R
D3400 RB706F-40
D3401 RB706F-40
Q3412 2SC5658T2LQ/R
ATX
SCL_TV
SDA_TV
nBOARD_RST
RIGHT_N
LEFT_N
CVBS_OUT
CN3401 14P BRN
SPDIF
N_RST
RIGHT
LEFT
CVBS
GND
ALL VIDEO SIGNALS (YUV AND CVBS) ARE NOT DESIGNED TO DRIVE A LOW IMPEDANCE LOAD
MODEM & CI PWR SWITCH
IC3404 LM3526MX-H/J5000396 5V POWER SWITCH
CI_PWR_EN
nCI_OVR
nMODEM_OVR
MODEM_EN
+5VD_CI
+5VD_MODEM
Cu Heatsink
IC3402 PQ070XZ01ZPH REGULATOR
Add 20mmx20mm area Connect to TAB of Regulator
D3402 RB501V-40TE-17
1V8 REG
IC3403 PQ070XZ01ZPH REGULATOR
1V5 REG
AUDIO DAC CIRCUIT
IC3400 WM8727GED/RV D/A CONVERTER
ADO
ABCK
ALRCK
AMCK
ADO_OUT
ABCK_OUT
ALRCK_OUT
DAC_L
DAC_R
PLACE CLOSE TO IC
AMPLIFIER GAIN = 2.0
IC3401 NJM3404AM-TE1 OPERATIONAL AMPLIFIER
OPEN/SHORTS COUNTERMEASURE
LEFT_N
RIGHT_N
CN3402 10P BRN
YUV_U_OUT
YUV_V_OUT
YUV_Y_OUT
ALRCK_OUT
ABCK_OUT
ADO_OUT
CN3400 15P BRN
VDO[0-7],VCK
TO JB BOARD CN5404
CN3403 11P
TO AG BOARD CN2302
CN3404 9P
TO AG BOARD CN2304
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

~ N Board Schematic Diagram [Digital I/F] Page 4/7 ~



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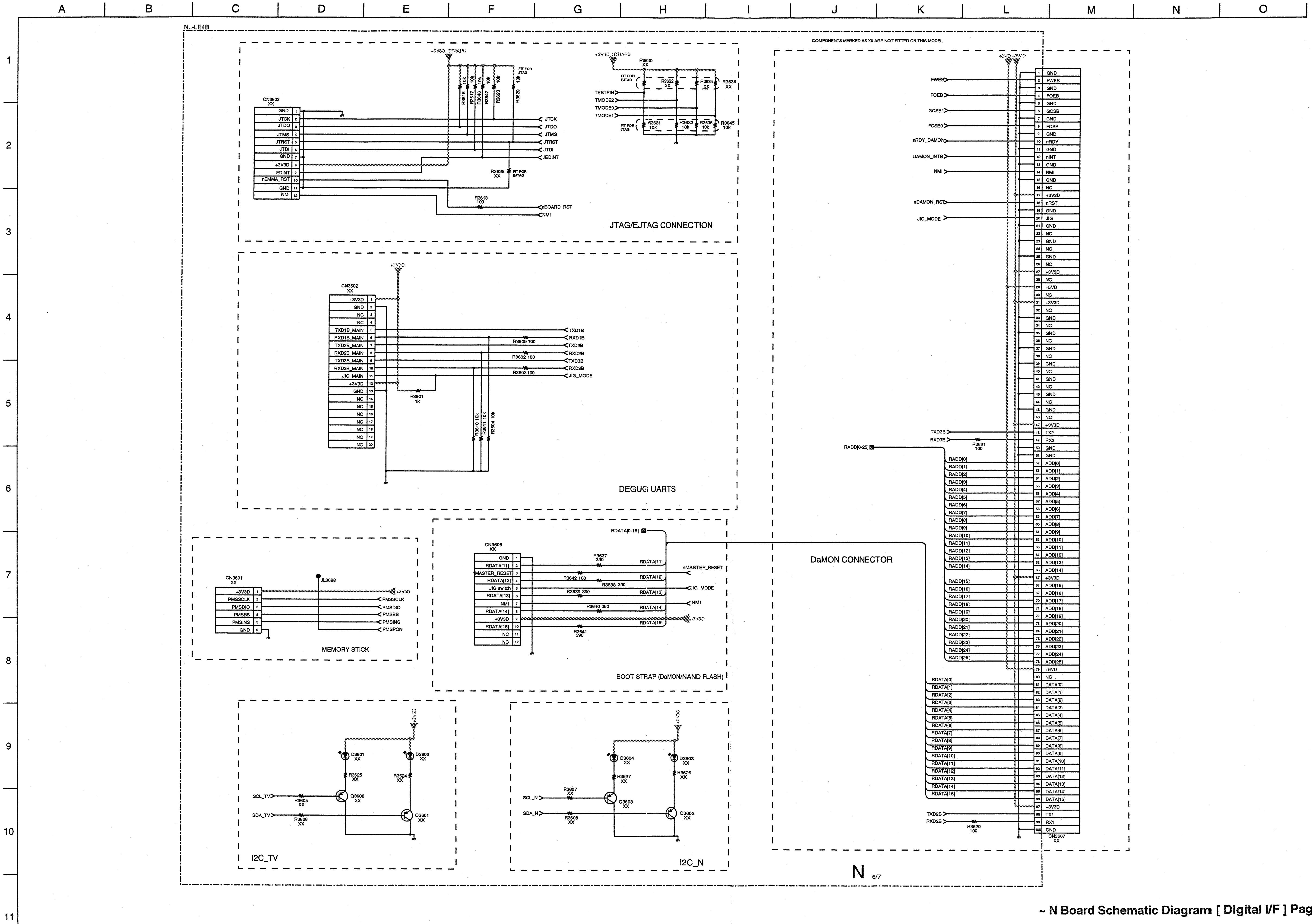
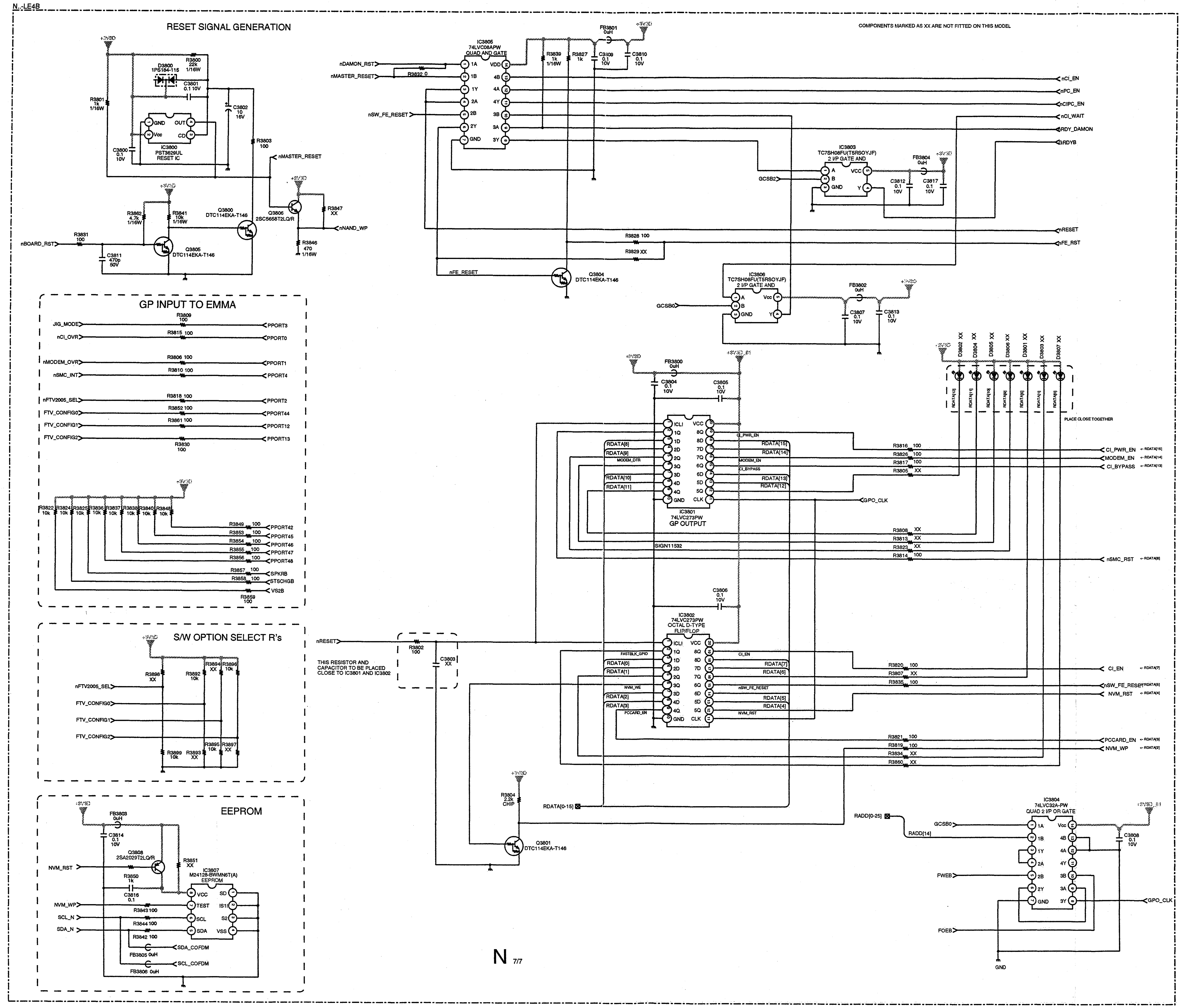
11
N...LE4B
SMC/MODEM Connector
PIN 1 : GND
PIN 2 : nSMC_INT
PIN 3 : DTE-CTS
PIN 4 : DTE-RTS
PIN 5 : nSMC_RST
PIN 6 : SMC_RXD
PIN 7 : SMC_TXD
PIN 8 : DTE-TXD
PIN 9 : DTE-RXD
PIN 10: Vcc
CN3500
MODEM
FB3555 0uH
FB3548 0uH
FB3547 0uH
FB3553 0uH
FB3551 0uH
FB3546 0uH
FB3549 0uH
FB3550 0uH
FB3552 0uH
+5VD_MODEM
FB3554 0uH
C3571 0.1 10V
C3509 4.7 10V
C3518 0.1
D3500 BZA862AVL
D3502 BZA862AVL
D3501 BZA862AVL
+5V3D_MODEM
+5VD
SMARTCARD AND MODEM
+3V3D
R3537 2.2k CHIP
nMODEM_EN
MODEM_EN
Q3504 DTC114EKA-T146
+3V3D_MODEM
+3V3D
FB3557 0uH
C3504 0.1 10V
C3570 0.1 10V
R3509 1k
nMODEM_EN
!OE1!
A0
A1
A2
A3
A4
A5
A6
A7
GND
VCC
!OE2!
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
nSMC_RST
RTS1B
TXD2B
TXD1B
IC3502 74LVC541APW OCTAL TRANSCEIVER
R3518 10k 1/16W
CTS1B
nSMC_INT
R3516 47
RXD1B
RXD2B
R3517 47
R3554 10k
+3V3D
FL3500 EMI
C3513 100 6.3V
C3514 0.1 10V
D3504 RB501V-40TE-17
FB3501 0uH
C3521 0.1 10V
L3504 0.1uH
3V3FILTER+
3V3_IIC
L3500 10uH
3V3AVDD
FB3502 0uH
C3522 0.1 10V
R3500 0 CHIP
R3501 0 CHIP
R3502 0 CHIP
R3508 0 CHIP
nFE_RST
IN_TS_BCLK,IN_TS_PVAL,IN_TS_PSYNC
IN_TSD[0-7]
R3561 100 1/16W
C3538 0.01 16V
IN_TS_BCLK
IN_TS_PVAL
IN_TS_PSYNC
IN_TSD[0]
IN_TSD[1]
IN_TSD[2]
IN_TSD[3]
1V8FILTER
C3544 0.01 16V
3V3FILTER+
R3560 47
R3563 100
R3565 100
R3553 XX
R3562 100
R3564 100
RB3500 47
RB3501 47
IN_TSD[4]
IN_TSD[5]
IN_TSD[6]
IN_TSD[7]
R3548 10k 1/16W
C3537 0.01 16V
R3549 XX
DVss
DVdd
INTRPTN
RESETN
TSCLK
TSVALID
TSSYNC
TSERR
CVss
CVdd
TSD0
TSD1
TSD2
TSD3
TSD4
TSD5
3V3_IIC
R3547 100 1/16W
FB3507 0uH
SCL_COFDM
SDA_COFDM
R3546 100 1/16W
FB3505 0uH
R3542 10k 1/16W
R3544 10k 1/16W
A0
SCL
SDA
TESTMODE
RFAGC/GPO
QSDA
QSCLK
IFAGC
CVss
CVdd
AINN
AINP
AVss
AVdd
AVdd
AVss
CN3503 8P
SCL_TUNER
SDA_TUNER
GND
IF AGC
GND
DIGITAL IF2
DIGITAL IF1
GND
TO AG BOARD CN2303
R3507 100
R3506 100
R3504 10k
FB3504 0uH
FB3503 0uH
R3505 1k 1/16W
C3531 0.001 50V
C3524 0.001 50V
L3501 0.47uH
C3525 0.001 50V
C3530 0.001 50V
1V8FILTER
C3533 0.01
3V3AVDD
L3502 0.1uH
C3534 0.01
C3520 0.1 10V
R3503 XX
C3523 0.1 10V
C3527 82p 50V
C3529 82p 50V
R3543 2.2k 1/16W
R3545 2.2k 1/16W
C3526 22p 50V
C3528 22p 50V
C3532 100p 50V
C3535 0.01 16V
IC3504 CXD1976R-T6 COFDM DEMODULATOR
TSD6
TSD7
DVdd
DVss
CVdd
CVss
CVdd
CVss
XTALI
XTALO
CVss
CVdd
CVss
CVdd
CVss
CVdd
C3551 0.01 16V
3V3FILTER+
C3549 0.01
C3546 0.01
FB3509 0uH
1V8EMI
X3500 20.480MHz
R3566 1M
C3552 27p 50V
R3567 100 1/16W
C3553 27p 50V
C3547 0.01 16V
1V8FILTER
C3548 0.01 16V
C3550 0.01 16V
AVdd
AVss
REXT
DAREFN
DAREFP
VCM
REF1 VIN
CVdd
CVss
TRSTN
TCK
TMS
TDI
TDO
DVdd
DVss
C3536 0.01 16V
C3539 0.1
C3540 0.1
C3541 0.01
C3542 0.1
R3510 4.7k
R3511 4.7k
JL3510
JL3511
JL3512
R3558 1.5k 1/16W
C3543 0.01 16V
C3545 0.01 16V
3V3FILTER+
3V3AVDD
R3550 47k 1/16W
R3559 47k 1/16W
L3503 0.1uH
1V8FILTER
COFDM
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
N 5/7

~ N Board Schematic Diagram [Digital I/F] Page

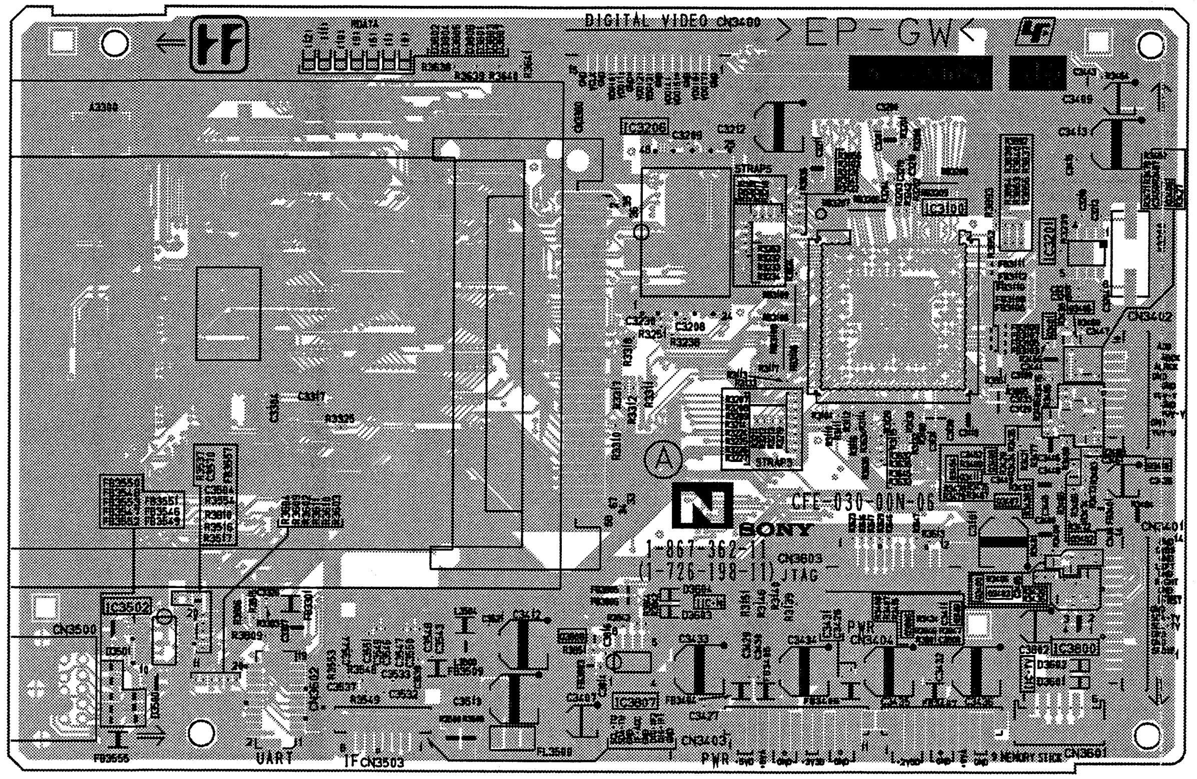

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
N_-LE4B
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
JTAG/EJTAG CONNECTION
CN3603
XX
GND
JTCK
JTDO
JTMS
JTRST
JTDI
GND
+3V3D
EDINT
nEMMA_RST
GND
NMI
+3V3D_STRAPS
R3616
R3617
R3646
R3647
R3623
R3629
10k
FIT FOR JTAG
JTCK
JTDO
JTMS
JTRST
JTDI
JEDINT
R3628
XX
FIT FOR EJTAG
R3613
100
nBOARD_RST
NMI
R3610
XX
FIT FOR EJTAG
R3632
XX
R3634
XX
R3636
XX
TESTPIN
TMODE2
TMODE0
TMODE1
FIT FOR JTAG
R3631
10k
R3633
10k
R3635
10k
R3645
10k
DEGUG UARTS
+3V3D
CN3602
XX
+3V3D
GND
NC
NC
TXD1B_MAIN
RXD1B_MAIN
TXD2B_MAIN
RXD2B_MAIN
TXD3B_MAIN
RXD3B_MAIN
JIG_MAIN
+3V3D
GND
NC
TXD1B
RXD1B
R3609 100
TXD2B
RXD2B
R3602 100
TXD3B
RXD3B
R3603 100
JIG_MODE
R3601
1k
R3610 10k
R3611 10k
R3604 10k
MEMORY STICK
CN3601
XX
+3V3D
PMSSCLK
PMSDIO
PMSBS
PMSINS
GND
JL3628
+3V3D
PMSSCLK
PMSDIO
PMSBS
PMSINS
PMSPON
BOOT STRAP (DaMON/NAND FLASH)
RDATA[0-15]
CN3608
XX
GND
RDATA[11]
nMASTER_RESET
RDATA[12]
JIG switch
RDATA[13]
NMI
RDATA[14]
+3V3D
RDATA[15]
NC
NC
R3637
390
R3642 100
R3638 390
R3639 390
R3640 390
R3641
390
RDATA[11]
RDATA[12]
RDATA[13]
RDATA[14]
RDATA[15]
nMASTER_RESET
JIG_MODE
NMI
+3V3D
I2C_TV
+3V3D
D3601
XX
D3602
XX
R3625
XX
R3624
XX
SCL_TV
R3605
XX
Q3600
XX
SDA_TV
R3606
XX
Q3601
XX
I2C_N
+3V3D
D3604
XX
D3603
XX
R3627
XX
R3626
XX
SCL_N
R3607
XX
Q3603
XX
SDA_N
R3608
XX
Q3602
XX
DaMON CONNECTOR
+5VD
+3V3D
FWEB
FOEB
GCSB1
FCSB0
nRDY_DAMON
DAMON_INTB
NMI
nDAMON_RST
JIG_MODE
TXD3B
RXD3B
R3621
100
RADD[0-25]
RADD[0]
RADD[1]
RADD[2]
RADD[3]
RADD[4]
RADD[5]
RADD[6]
RADD[7]
RADD[8]
RADD[9]
RADD[10]
RADD[11]
RADD[12]
RADD[13]
RADD[14]
RADD[15]
RADD[16]
RADD[17]
RADD[18]
RADD[19]
RADD[20]
RADD[21]
RADD[22]
RADD[23]
RADD[24]
RADD[25]
RDATA[0]
RDATA[1]
RDATA[2]
RDATA[3]
RDATA[4]
RDATA[5]
RDATA[6]
RDATA[7]
RDATA[8]
RDATA[9]
RDATA[10]
RDATA[11]
RDATA[12]
RDATA[13]
RDATA[14]
RDATA[15]
TXD2B
RXD2B
R3620
100
CN3607
XX
1 GND
2 FWEB
3 GND
4 FOEB
5 GND
6 GCSB
7 GND
8 FCSB
9 GND
10 nRDY
11 GND
12 nINT
13 GND
14 NMI
15 GND
16 NC
17 +3V3D
18 nRST
19 GND
20 JIG
21 GND
22 NC
23 GND
24 NC
25 GND
26 NC
27 +3V3D
28 NC
29 +5VD
30 NC
31 +3V3D
32 NC
33 GND
34 NC
35 GND
36 NC
37 GND
38 NC
39 GND
40 NC
41 GND
42 NC
43 GND
44 NC
45 GND
46 NC
47 +3V3D
48 TX2
49 RX2
50 GND
51 GND
52 ADD[0]
53 ADD[1]
54 ADD[2]
55 ADD[3]
56 ADD[4]
57 ADD[5]
58 ADD[6]
59 ADD[7]
60 ADD[8]
61 ADD[9]
62 ADD[10]
63 ADD[11]
64 ADD[12]
65 ADD[13]
66 ADD[14]
67 +3V3D
68 ADD[15]
69 ADD[16]
70 ADD[17]
71 ADD[18]
72 ADD[19]
73 ADD[20]
74 ADD[21]
75 ADD[22]
76 ADD[23]
77 ADD[24]
78 ADD[25]
79 +5VD
80 NC
81 DATA[0]
82 DATA[1]
83 DATA[2]
84 DATA[3]
85 DATA[4]
86 DATA[5]
87 DATA[6]
88 DATA[7]
89 DATA[8]
90 DATA[9]
91 DATA[10]
92 DATA[11]
93 DATA[12]
94 DATA[13]
95 DATA[14]
96 DATA[15]
97 +3V3D
98 TX1
99 RX1
100 GND
N 6/7

~ N Board Schematic Diagram [Digital I/F] Page 6/7 ~


N..-LE4B
COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL
RESET SIGNAL GENERATION
+3V3D
D3800
1PS184-115
R3800
22k
1/16W
C3801
0.1 10V
C3802
10
16V
R3801
1k
1/16W
GND
OUT
Vcc
CD
C3800
0.1
10V
IC3800
PST3629UL
RESET IC
R3803
100
nMASTER_RESET
R3862
4.7k
1/16W
R3841
10k
1/16W
Q3800
DTC114EKA-T146
Q3806
2SC5658T2LQ/R
R3847
XX
nNAND_WP
R3846
470
1/16W
R3831
100
nBOARD_RST
C3811
470p
50V
Q3805
DTC114EKA-T146
IC3805
74LVC08APW
QUAD AND GATE
nDAMON_RST
nMASTER_RESET
R3832 0
nSW_FE_RESET
1A
1B
1Y
2A
2B
2Y
GND
VDD
4B
4A
4Y
3B
3A
3Y
R3839
1k
1/16W
R3827
1k
FB3801
0uH
C3809
0.1
10V
C3810
0.1
10V
nCI_EN
nPC_EN
nCIPC_EN
nCI_WAIT
RDY_DAMON
RDYB
IC3803
TC7SH08FU(T5RSOYJF)
2 I/P GATE AND
GCSB2
A
B
GND
VCC
Y
FB3804
0uH
C3812
0.1
10V
C3817
0.1
10V
R3828 100
R3829 XX
nRESET
nFE_RST
nFE_RESET
Q3804
DTC114EKA-T146
IC3806
TC7SH08FU(T5RSOYJF)
2 I/P GATE AND
GCSB0
FB3802
0uH
C3807
0.1
10V
C3813
0.1
10V
GP INPUT TO EMMA
JIG_MODE
R3809
100
PPORT3
nCI_OVR
R3815 100
PPORT0
nMODEM_OVR
R3806 100
PPORT1
nSMC_INT
R3810 100
PPORT4
nFTV2005_SEL
R3818 100
PPORT2
FTV_CONFIG0
R3852 100
PPORT44
FTV_CONFIG1
R3861 100
PPORT12
FTV_CONFIG2
R3830
100
PPORT13
R3822 10k
R3824 10k
R3825 10k
R3836 10k
R3837 10k
R3838 10k
R3840 10k
R3848 10k
R3849 100
PPORT42
R3853 100
PPORT45
R3854 100
PPORT46
R3855 100
PPORT47
R3856 100
PPORT48
R3857 100
SPKRB
R3858 100
STSCHGB
VS2B
R3859
100
S/W OPTION SELECT R's
R3898
XX
R3892
10k
R3894
XX
R3896
10k
nFTV2005_SEL
FTV_CONFIG0
FTV_CONFIG1
FTV_CONFIG2
R3899
10k
R3893
XX
R3895
10k
R3897
XX
EEPROM
FB3803
0uH
C3814
0.1
10V
Q3808
2SA2029T2LQ/R
NVM_RST
R3850
1k
C3816
0.1
R3851
XX
IC3807
M24128-BWMN6T(A)
EEPROM
VCC
TEST
SCL
SDA
SD
IS1
S2
VSS
NVM_WP
R3843 100
SCL_N
R3844 100
SDA_N
R3842 100
SDA_COFDM
FB3805 0uH
SCL_COFDM
FB3806 0uH
+3V3D_81
FB3800
0uH
C3804
0.1
10V
C3805
0.1
10V
D3802 XX
D3804 XX
D3805 XX
D3806 XX
D3801 XX
D3803 XX
D3807 XX
RDATA[12]
RDATA[11]
RDATA[10]
RDATA[9]
RDATA[6]
RDATA[1]
RDATA[0]
PLACE CLOSE TOGETHER
ICLI
1Q
1D
2D
2Q
3Q
3D
4D
4Q
GND
VCC
8Q
8D
7D
7Q
6Q
6D
5D
5Q
CLK
RDATA[8]
RDATA[9]
MODEM_DTR
RDATA[10]
RDATA[11]
CI_PWR_EN
RDATA[15]
RDATA[14]
MODEM_EN
CI_BYPASS
RDATA[13]
RDATA[12]
IC3801
74LVC273PW
GP OUTPUT
GPO_CLK
R3816 100
R3826 100
R3817 100
R3805 XX
CI_PWR_EN <- RDATA[15]
MODEM_EN <- RDATA[14]
CI_BYPASS <- RDATA[13]
R3808 XX
R3813 XX
R3823 XX
R3814 100
SIGN11532
nSMC_RST <- RDATA[8]
C3806
0.1
10V
IC3802
74LVC273PW
OCTAL D-TYPE
FLIP/FLOP
nRESET
R3802
100
C3803
XX
THIS RESISTOR AND
CAPACITOR TO BE PLACED
CLOSE TO IC3801 AND IC3802
FASTBLK_GPIO
RDATA[0]
RDATA[1]
NVM_WE
RDATA[2]
RDATA[3]
PCCARD_EN
CI_EN
RDATA[7]
RDATA[6]
nSW_FE_RESET
RDATA[5]
RDATA[4]
NVM_RST
R3820 100
R3807 XX
R3835 100
CI_EN <- RDATA[7]
nSW_FE_RESET <- RDATA[5]
NVM_RST <- RDATA[4]
R3821 100
R3819 100
R3834 XX
R3860 XX
PCCARD_EN <- RDATA[3]
NVM_WP <- RDATA[2]
R3804
2.2k
CHIP
RDATA[0-15]
Q3801
DTC114EKA-T146
RADD[0-25]
RADD[14]
IC3804
74LVC32A-PW
QUAD 2 I/P OR GATE
GCSB0
FWEB
FOEB
Vcc
C3808
0.1
10V
GPO_CLK
GND
N 7/7

~ N Board Schematic Diagram [Digital I/F] Page

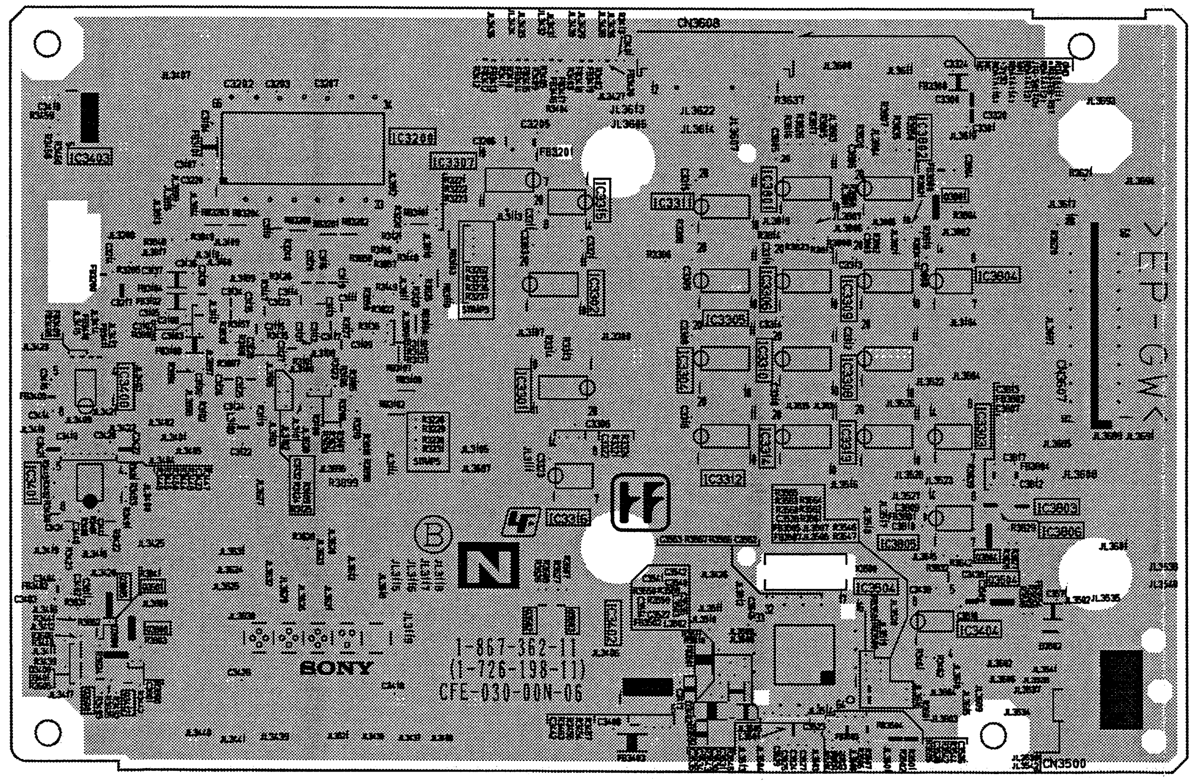
~ N Printed Wiring Board Conductor Side A ~


DIGITAL VIDEO
>EP-GW<
CFE-030-00N-06
1-867-362-11
(1-726-198-11)
JTAG
SONY
N
A
UART
IF
PWR
MEMORY STICK
CN3500
CN3503
CN3601
CN3402
CN3401
CN3403
CN3404
CN3603
IC3100
IC3206
IC3502
IC3800
IC3807
STRAPS

~ N Board Semiconductor Location Table Side A ~

DIODE		D3604	E - 4	D3805	D - 1	IC3201	G - 2	**TRANSISTOR**		Q3404	G - 4	Q3409	G - 4
D3501	B - 4	D3801	D - 1	D3806	D - 1	IC3205	E - 2	Q3400	G - 4	Q3405	G - 3	Q3410	H - 4
D3601	G - 5	D3802	D - 1	D3807	D - 1	IC3502	B - 4	Q3401	G - 3	Q3406	H - 2	Q3411	G - 4
D3602	G - 5	D3803	D - 1	**IC**		IC3800	G - 4	Q3402	G - 4	Q3407	G - 4	Q3806	F - 4
D3603	E - 4	D3804	D - 1	IC3100	G - 2	IC3807	E - 5	Q3403	G - 4	Q3408	E - 4	Q3808	E - 4

~ N Printed Wiring Board Conductor Side B ~

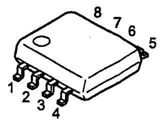

>EP-GW<
CFE-030-00N-06
1-867-362-11
(1-726-198-11)
SONY
N
B
CN3608
CN3607
CN3500
IC3200
IC3307
IC3311
IC3312
IC3316
IC3400
IC3404
IC3504
IC3802
IC3806

~ N Board Semiconductor Location Table Side B ~

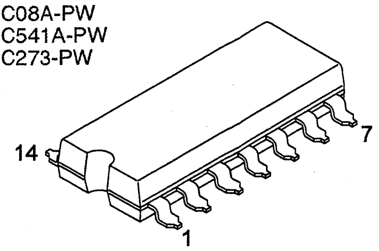
DIODE		IC3301	D - 9	IC3308	F - 8	IC3315	D - 8	IC3504	F - 10	**TRANSISTOR**	
D3400	B - 10	IC3302	D - 8	IC3309	F - 8	IC3316	D - 9	IC3801	E - 8	Q3412	B - 10
D3401	B - 10	IC3303	G - 9	IC3310	F - 8	IC3400	B - 9	IC3802	F - 7	Q3504	G - 10
D3402	E - 10	IC3304	E - 8	IC3311	E - 8	IC3401	B - 9	IC3803	G - 9	Q3800	B - 10
D3504	E - 10	IC3305	E - 8	IC3312	E - 9	IC3402	E - 10	IC3804	G - 8	Q3801	G - 8
IC		IC3306	F - 8	IC3313	F - 9	IC3403	B - 7	IC3805	F - 9	Q3804	G - 9
IC3200	D - 7	IC3307	D - 7	IC3314	E - 9	IC3404	G - 10	IC3806	G - 9	Q3805	B - 10

5-4. SEMICONDUCTORS

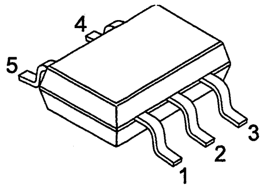
24LC21AT



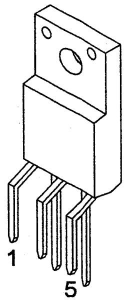
74LVC32A-PW
74LVC00-PW
74LVC08A-PW
74LVC541A-PW
74LVC273-PW



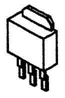
74LVC541APW
74LVC08APW
74LVC14APW
74LVC273PW
74LVC32A-PW
74LVT245PW-T



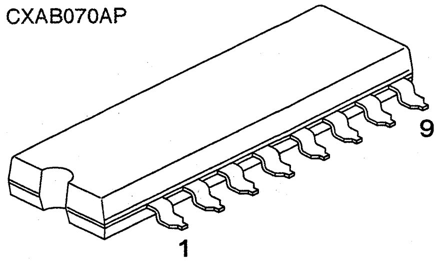
BA09ST_V5



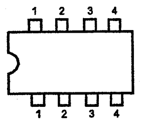
BA18BC0FP-E



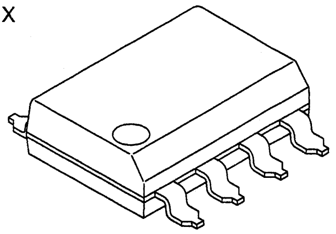
CXAB070AP



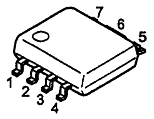
LM318P
LM358N
LM393DT
LM393DT(A)
LM393N
M24C16-MN6T(A)



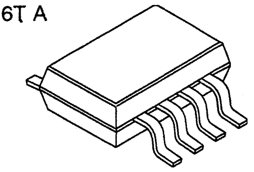
LM3526MX



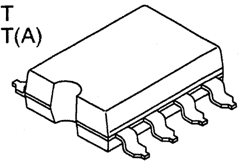
LM75C1MX-3
LM75C1MX-5



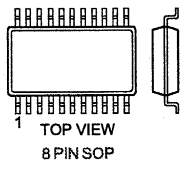
M24128 BWMN6T A



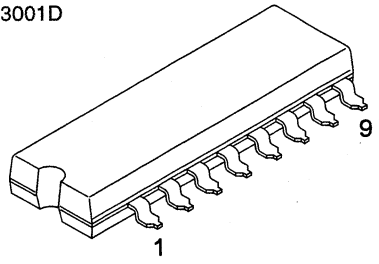
M24128-BWMN6T
M24128-BWMN6T(A)



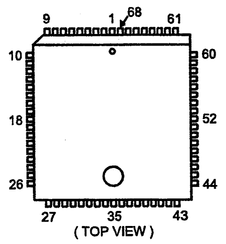
M24C32-WMN6T(B)
MC14053 BDR2


1
TOP VIEW
8 PIN SOP

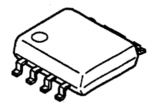
MCZ3001D



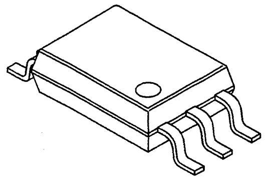
MSP3411G-QA-B10
MSP3411G-QA-B11


9
1
68
61
10
60
18
52
26
44
27
35
43
(TOP VIEW)

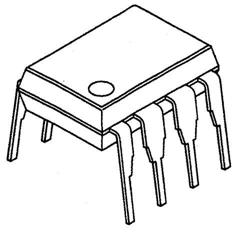
NJM2904M



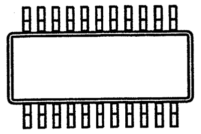
NJM3404AM-T1



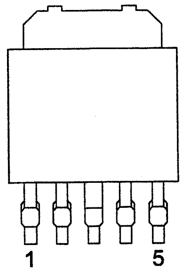
NJM4556AM
NJM4556AD



PCF8593/T118



PQ070XZ01ZPH



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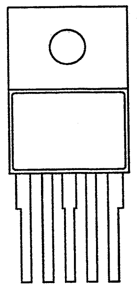

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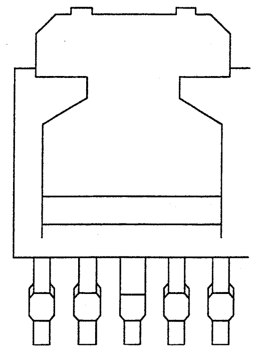

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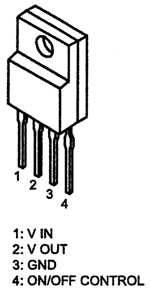
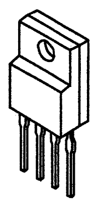

1
2
3
4
1: V IN
2: V OUT
3: GND
4: ON/OFF CONTROL

PQ30RV21



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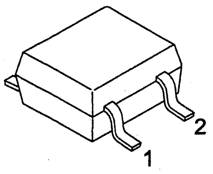

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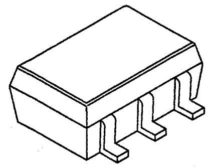

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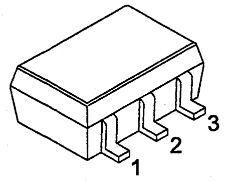

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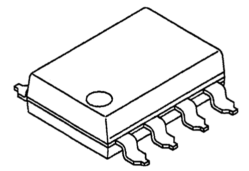

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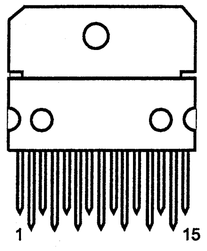

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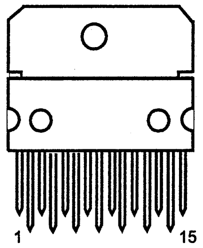

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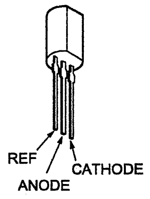
REF
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SECTION 6
EXPLODED VIEWS

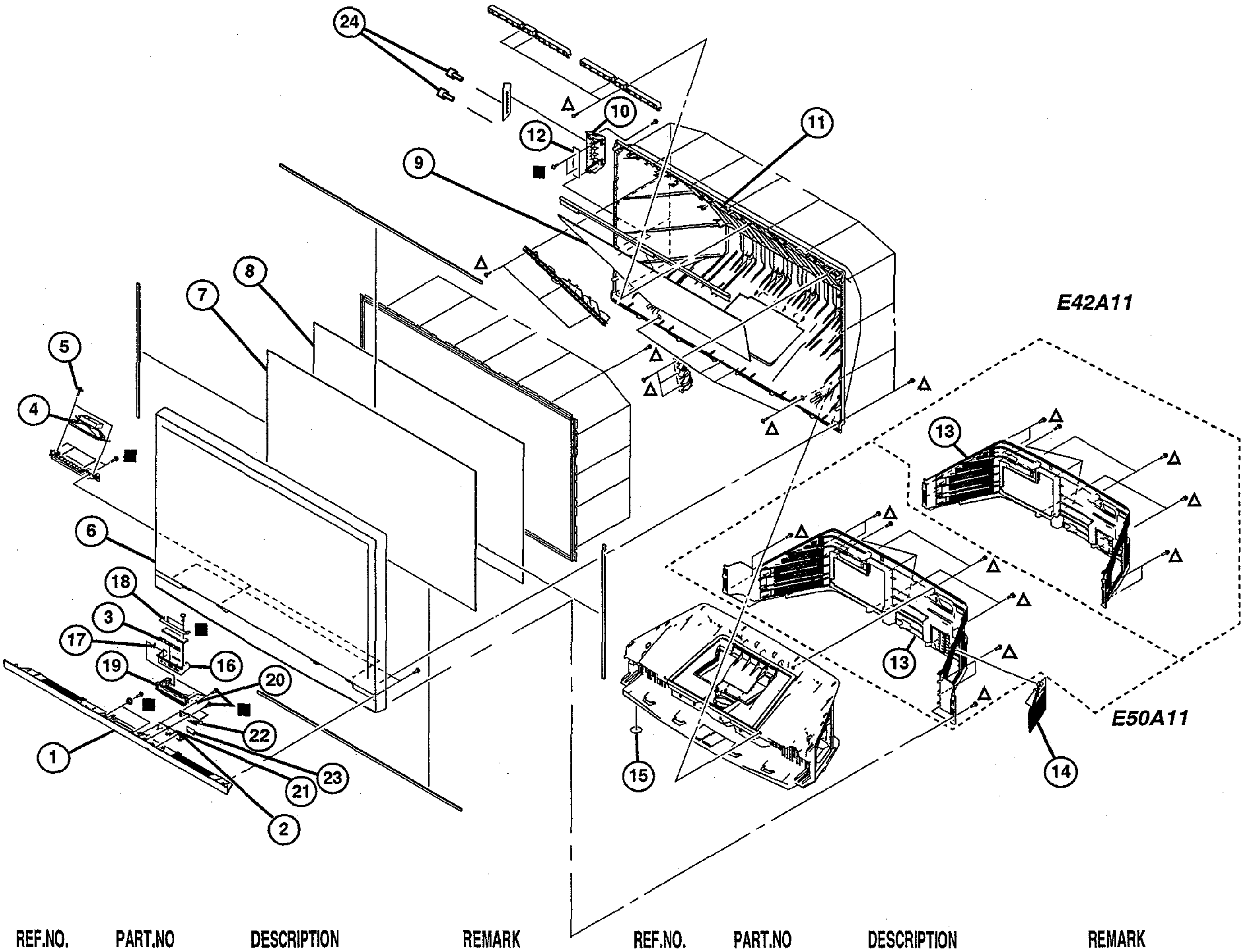
NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

6-1. SCREEN MIRROR BLOCK, COVERS

■ : 7-685-648-79 SCREW +BVTP 3X12 TYPE2 IT-3
Δ : 7-685-663-79 SCREW +BVTP 4X16 TYPE2 IT-3

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

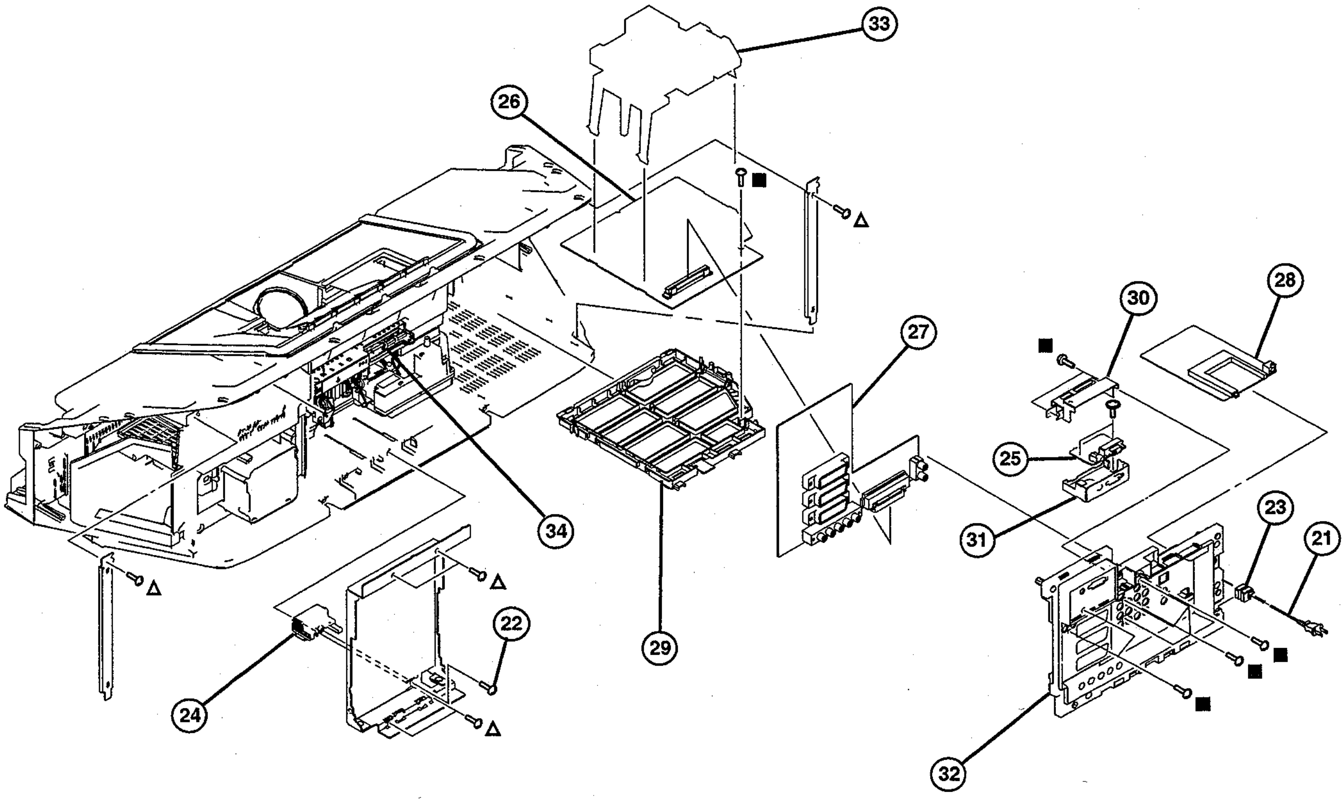


REF.NO.	PART.NO	DESCRIPTION	REMARK
1	2-631-806-31	GRILLE, SPEAKER(42) (E42A11E)	
	2-631-808-31	GRILLE, SPEAKER(50) (E50A11E)	
2	2-590-913-11	BUTTON, POWER	
3	2-590-914-11	BUTTON, MULTI	
4	1-826-219-11	LOUD SPEAKER (5.5X15CM)	
5	4-058-870-01	SCREW, (4X16) W (+) P TAPPING	
6	X-2067-166-1	FRAME ASSY SCREEN (E42A11E)	
	X-2067-114-1	FRAME ASSY SCREEN (E50A11E)	
7	2-590-449-21	PLATE (42L), DIFFUSION (E42A11E)	
	2-590-451-21	PLATE (50L), DIFFUSION (E50A11E)	
8	2-590-450-21	PLATE (42F), DIFFUSION (E42A11E)	
	2-590-452-11	PLATE (50F), DIFFUSION (E50A11E)	
9	2-592-457-12	MIRROR (E42A11E)	
	2-592-456-11	MIRROR (E50A11E)	
10	*2-649-045-01	BRACKET H3 (42) (E42A11E)	
	*2-637-136-01	BRACKET H3 (50) (E50A11E)	
11	2-590-902-32	COVER, MIRROR (42) (E42A11E)	
	2-590-907-33	COVER, MIRROR (50) (E50A11E)	
12	*A-1107-972-A	H3 BOARD COMPLETE	
13	2-631-704-11	COVER REAR (42) (E42A11E)	
	2-631-704-01	COVER REAR (50) (E50A11E)	
14	2-591-156-21	DOOR, LAMP	
15	4-097-548-01	CUSHION, FOOT	
16	*2-590-915-21	TRAY, CONTROL	
17	2-593-048-01	DAMPER	
18	2-590-916-11	TRAY, CONTROL (TOP)	
19	2-590-917-11	BRACKET, CONTROL TRAY	
20	2-593-049-01	LATCH ASSY	
21	2-590-918-21	GUIDE, LED	
22	*A-1107-970-A	H1 BOARD COMPLETE	
23	*A-1107-971-A	H2 BOARD COMPLETE	
24	4-635-966-01	SCREW (HEX)	

6-2. CHASSIS / BOTTOM BLOCK ASSEMBLY

■ : 7-685-648-79 SCREW +BVTP 3X12 TYPE2 IT-3
△ : 7-685-663-79 SCREW +BVTP 4X16 TYPE2 IT-3

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

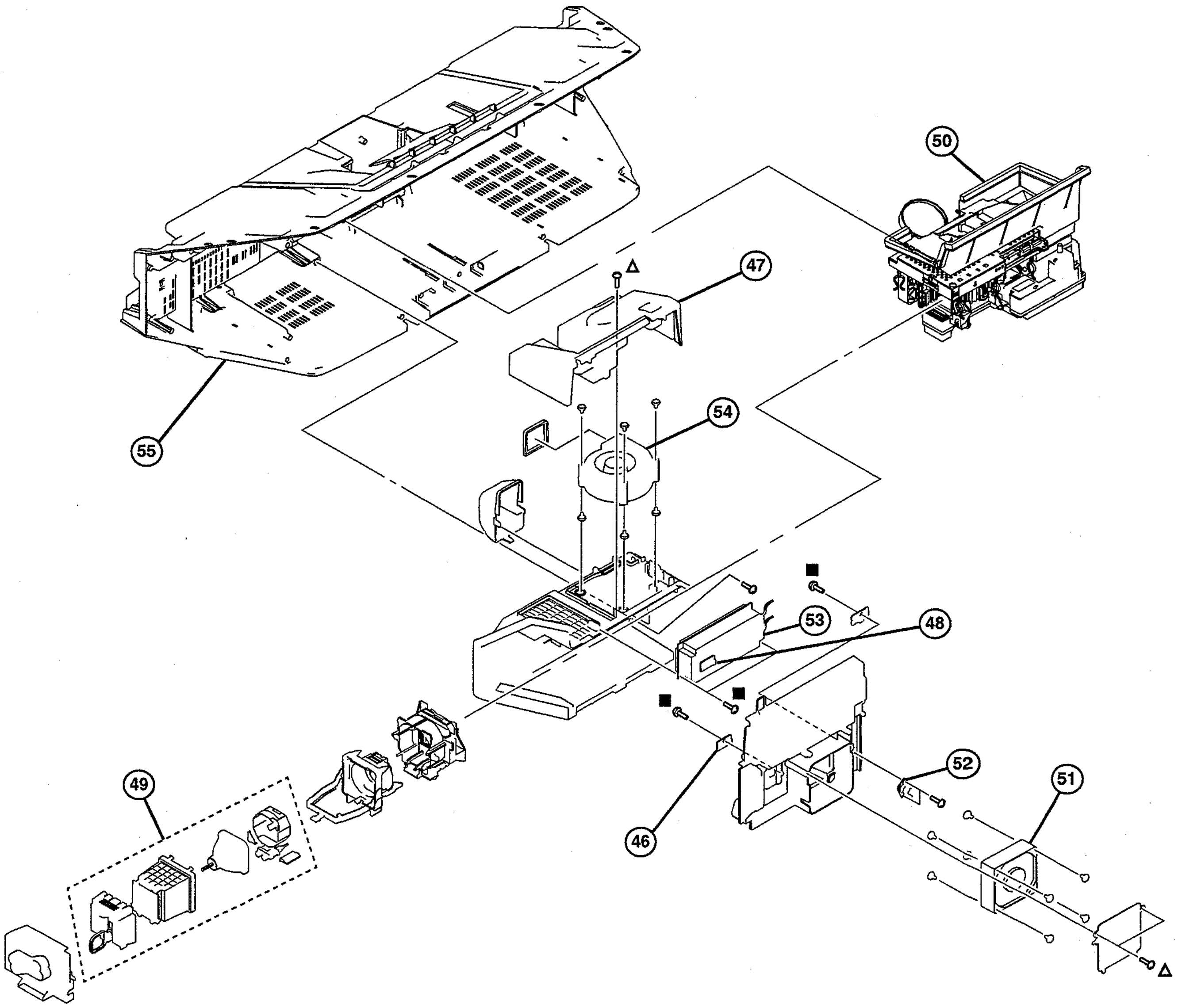


REF.NO.	PART.NO	DESCRIPTION	REMARK
21	⚠ 1-823-715-21	CORD, POWER	
22	3-701-810-72	SCREW, TERMINAL	
23	4-065-070-01	HOLDER, AC CORD	
24	X-2067-113-2	BLOCK, ADJUSTER ASSY	
25	*A-1115-078-C	P BOARD COMPLETE	
26	*A-1151-514-A	AG COMPLETE DIG ZAPPING	
27	*A-1129-435-A	JB WAX COMPLETE DIG	
28	*A-1151-409-B	N COMPLETE LE4B (ZAPPING)	
29	*2-593-078-21	BRACKET, G	
30	*2-595-154-02	SHEILD (UPPER A), HDMI	
31	*2-632-907-01	BRACKET HDMI	
32	*2-637-134-11	BRACKET, TERMINAL	
33	*2-637-135-02	BRACKET F	
34	*A-1087-559-A	C BOARD COMPLETE	

6-3. LAMP DUCT ASSEMBLY, OPTICS UNIT BLOCK

■ : 7-685-648-79 SCREW +BVTP 3X12 TYPE2 IT-3
△ : 7-685-663-79 SCREW +BVTP 4X16 TYPE2 IT-3

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.



REF.NO.	PART.NO	DESCRIPTION	REMARK
46	*A-1122-463-A	T1 BOARD COMPLETE	
47	*2-590-723-21	COVER, SIROCCO FAN	
48	*A-1127-037-A	T2 BOARD COMPLETE	
49	A-1127-024-A	LAMP BLOCK ASSY	
50	A-1127-026-A	OPTICS UNIT BLOCK ASSY (E42A11E)	
	A-1134-461-A	OPTICS UNIT BLOCK ASSY (E50A11E)	
51	⚠ 1-787-373-11	D.C. FAN	
52	1-576-912-11	THERMOSTAT	
53	⚠ 1-468-936-13	POWER SUPPLY BLOCK	
54	⚠ 1-787-231-11	D.C.FAN (SIROCCO)	
55	2-630-699-13	CABINET,BOTTOM (E42A11E)	
	2-630-699-03	CABINET,BOTTOM (E50A11E)	

SECTION 7
ELECTRICAL PARTS LIST

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C BOARD COMPLETE Parts List : 75

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H3 BOARD COMPLETE Parts List : 80

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H1 BOARD COMPLETE Parts List : 104

MISCELLANEOUS : 105

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REMOTE COMMANDER : 105

Note: The P Board Schematic Diagram, Printed Wiring Board and Parts List are not indicated in this manual as the PWB is regarded as a non service item for exchange only.

Note : Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
Parts indicated (XX) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.

* A-1122-463-A T1 BOARD COMPLETE

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN4306	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	

< SWITCH >

REF.NO.	PART NO.	DESCRIPTION	REMARK
S4320	1-786-591-11	SWITCH, MICRO	

* A-1087-559-A C BOARD COMPLETE

< CAPACITOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
C1322	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C1350	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1351	1-128-992-21	ELECT CHIP 47UF	20% 25V
C1366	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1375	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1376	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C1377	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1378	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C1379	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1380	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1381	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1382	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1383	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1390	1-128-992-21	ELECT CHIP 47UF	20% 25V
C1398	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C1399	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C2046	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2047	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2048	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2049	1-117-370-11	CERAMIC CHIP 10UF	10V
C2050	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2052	1-117-370-11	CERAMIC CHIP 10UF	10V
C2072	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2501	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2502	1-117-370-11	CERAMIC CHIP 10UF	10V
C2503	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2505	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2506	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2507	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2509	1-117-370-11	CERAMIC CHIP 10UF	10V
C2510	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2512	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2513	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2514	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2515	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2516	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2517	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2518	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2519	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2520	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2521	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2522	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2523	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2524	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2527	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2529	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2530	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2531	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2551	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2552	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2553	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2554	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2555	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2556	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2557	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2558	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2601	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2602	1-117-370-11	CERAMIC CHIP 10UF	10V
C2603	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2605	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2606	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2607	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2609	1-117-370-11	CERAMIC CHIP 10UF	10V
C2610	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2612	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2613	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2615	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2616	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2617	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2618	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2619	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2620	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C2621	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2622	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2623	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2624	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2625	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2626	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2627	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2628	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2629	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2630	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2631	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2632	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2651	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2652	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2653	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2654	1-164-156-11	CERAMIC CHIP 0.1UF	25V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C2655	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2656	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2657	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2658	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2659	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2661	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2662	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2663	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2664	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2665	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2666	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2678	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2679	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2681	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2682	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2684	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2685	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2694	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2697	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2698	1-100-159-91	CERAMIC CHIP 22UF	10% 6.3V
C2699	1-165-884-91	CERAMIC CHIP 2.2UF	10% 6.3V
C2700	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2701	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2702	1-117-370-11	CERAMIC CHIP 10UF	10V
C2703	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2705	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2706	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2707	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2709	1-117-370-11	CERAMIC CHIP 10UF	10V
C2710	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2712	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2713	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2715	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2716	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2717	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2718	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2719	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C2720	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2721	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2722	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2723	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2724	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2725	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2726	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2727	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2728	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2729	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2730	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2731	1-165-884-91	CERAMIC CHIP 2.2UF	10% 6.3V
C2732	1-165-989-11	CERAMIC CHIP 10UF	10% 6.3V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C2801	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2802	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2804	1-128-992-21	ELECT CHIP 47UF	20% 25V
C2836	1-162-926-11	CERAMIC CHIP 82PF	5.00% 50V
C2837	1-162-926-11	CERAMIC CHIP 82PF	5.00% 50V
C2838	1-162-926-11	CERAMIC CHIP 82PF	5.00% 50V
C2839	1-162-926-11	CERAMIC CHIP 82PF	5.00% 50V
C3011	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3013	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3017	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3018	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C3019	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3021	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3025	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3026	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3027	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3029	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3033	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3034	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3035	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3037	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3056	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C3057	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C3061	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3062	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3101	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3102	1-115-156-11	CERAMIC CHIP 1UF	10V
C3103	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3104	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3105	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3106	1-126-204-11	ELECT CHIP 47UF	20.00% 16V
C3201	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3202	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3203	1-165-989-11	CERAMIC CHIP 10UF	10% 6.3V
C3204	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3205	1-165-989-11	CERAMIC CHIP 10UF	10% 6.3V
C3206	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3207	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3208	1-165-989-11	CERAMIC CHIP 10UF	10% 6.3V
C3209	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3210	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN1306	* 1-691-591-11	PIN, CONNECTOR (1.5MM) (SMD)8P	
CN2551	* 1-818-761-11	FFC/FPC CONNECTOR (ZIF) 32P	
CN2601	* 1-818-761-11	FFC/FPC CONNECTOR (ZIF) 32P	
CN2651	* 1-818-761-11	FFC/FPC CONNECTOR (ZIF) 32P	
CN3002	* 1-760-388-11	CONNECTOR PIN (SMD) 9P	
CN3004	* 1-695-223-21	PIN, CONNECTOR (SMD) 10P	

C

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN3200	* 1-819-817-11	CONNECTOR (RECEPTACLE) 14P	
CN3201	1-694-981-21	EARTH TERMINAL (SMD)	
CN3202	1-694-981-21	EARTH TERMINAL (SMD)	

< DIODE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
D1320	8-719-069-55	DIODE UDZSTE-175.6B	
D1321	6-500-697-01	DIODE UDZSTE-173.3B	

< FERRITE BEAD >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FB2010	1-414-921-11	FERRITE 0UH	
FB2012	1-414-921-11	FERRITE 0UH	
FB2501	1-414-921-11	FERRITE 0UH	
FB2502	1-414-921-11	FERRITE 0UH	
FB2504	1-414-921-11	FERRITE 0UH	
FB2505	1-414-921-11	FERRITE 0UH	
FB2506	1-414-921-11	FERRITE 0UH	
FB2601	1-414-921-11	FERRITE 0UH	
FB2602	1-414-921-11	FERRITE 0UH	
FB2603	1-414-921-11	FERRITE 0UH	
FB2604	1-414-921-11	FERRITE 0UH	
FB2651	1-414-921-11	FERRITE 0UH	
FB2653	1-414-921-11	FERRITE 0UH	
FB2654	1-414-921-11	FERRITE 0UH	
FB2701	1-414-921-11	FERRITE 0UH	
FB2702	1-414-921-11	FERRITE 0UH	
FB2704	1-414-921-11	FERRITE 0UH	
FB3201	1-414-921-11	FERRITE 0UH	
FB3202	1-414-921-11	FERRITE 0UH	
FB3203	1-414-921-11	FERRITE 0UH	

< FILTER >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FL3001	1-233-830-11	FERRITE 37UH	
FL3003	1-233-830-11	FERRITE 37UH	
FL3007	1-233-830-11	FERRITE 37UH	
FL3008	1-233-830-11	FERRITE 37UH	

< IC >

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC1300	8-759-369-73	IC NJM4556AM	
IC1301	8-759-701-01	IC NJM2904M	
IC1302	8-759-701-01	IC NJM2904M	
IC2006	8-759-490-41	IC TC74VHCT541AFT(EL)	
IC2007	8-759-490-41	IC TC74VHCT541AFT(EL)	
IC2009	8-759-476-80	IC LM75CIMX-3	
IC2501	8-752-106-13	IC CXA7001R-T6	
IC2601	8-752-106-13	IC CXA7001R-T6	
IC2614	6-706-960-01	IC CXD9809GF	
IC2701	8-752-106-13	IC CXA7001R-T6	
IC2801	8-759-388-31	IC PQ20VZ1UJ00H	
IC3101	6-703-695-01	IC S-80827CNMC-B8MT2G	
IC3102	6-700-319-01	IC M24128-BWMN6T	

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC3200	6-701-870-01	IC THC63LVDF84B-T	

< JUMPER RESISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
JR3000	1-216-864-11	SHORT CHIP 0	
JR3001	1-216-864-11	SHORT CHIP 0	
JR3002	1-216-864-11	SHORT CHIP 0	
JR3003	1-216-864-11	SHORT CHIP 0	
JR3004	1-216-864-11	SHORT CHIP 0	
JR3005	1-216-864-11	SHORT CHIP 0	
JR3006	1-216-864-11	SHORT CHIP 0	
JR3007	1-216-864-11	SHORT CHIP 0	
JR3008	1-216-864-11	SHORT CHIP 0	
JR3009	1-216-864-11	SHORT CHIP 0	
JR3010	1-216-864-11	SHORT CHIP 0	
JR3011	1-216-864-11	SHORT CHIP 0	
JR3012	1-216-864-11	SHORT CHIP 0	
JR3013	1-216-864-11	SHORT CHIP 0	
JR3014	1-216-864-11	SHORT CHIP 0	
JR3015	1-216-864-11	SHORT CHIP 0	

< COIL >

REF.NO.	PART NO.	DESCRIPTION	REMARK
L1300	1-414-754-11	INDUCTOR 10UH	
L1310	1-414-754-11	INDUCTOR 10UH	
L2004	1-414-754-11	INDUCTOR 10UH	
L2501	1-414-754-11	INDUCTOR 10UH	
L2502	1-414-754-11	INDUCTOR 10UH	
L2504	1-414-754-11	INDUCTOR 10UH	
L2505	1-414-754-11	INDUCTOR 10UH	
L2506	1-414-754-11	INDUCTOR 10UH	
L2601	1-414-754-11	INDUCTOR 10UH	
L2602	1-414-754-11	INDUCTOR 10UH	
L2603	1-414-754-11	INDUCTOR 10UH	
L2604	1-414-754-11	INDUCTOR 10UH	
L2605	1-414-754-11	INDUCTOR 10UH	
L2606	1-469-549-21	INDUCTOR 1UH	
L2607	1-469-549-21	INDUCTOR 1UH	
L2651	1-414-754-11	INDUCTOR 10UH	
L2652	1-414-754-11	INDUCTOR 10UH	
L2701	1-414-754-11	INDUCTOR 10UH	
L2702	1-414-754-11	INDUCTOR 10UH	
L2704	1-414-754-11	INDUCTOR 10UH	
L3001	1-409-556-11	INDUCTOR 47UH	
L3004	1-409-556-11	INDUCTOR 47UH	
L3011	1-409-556-11	INDUCTOR 47UH	
L3012	1-409-556-11	INDUCTOR 47UH	
L3101	1-412-029-11	INDUCTOR 10UH	
L3201	1-456-583-11	INDUCTOR 0UH	
L3202	1-456-583-11	INDUCTOR 0UH	
L3203	1-456-583-11	INDUCTOR 0UH	

REF.NO.	PART NO.	DESCRIPTION	REMARK
L3204	1-456-583-11	INDUCTOR 0UH	
L3205	1-456-583-11	INDUCTOR 0UH	

< TRANSISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q1300	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2502	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q2504	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q2602	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q2604	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q2606	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q2702	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q2704	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q3101	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
Q3102	8-729-027-23	TRANSISTOR DTA114EKA-T146	

< RESISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1300	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1301	1-216-864-11	SHORT CHIP 0	
R1302	1-216-864-11	SHORT CHIP 0	
R1303	1-216-864-11	SHORT CHIP 0	
R1304	1-216-864-11	SHORT CHIP 0	
R1305	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1334	1-216-864-11	SHORT CHIP 0	
R1336	1-216-797-11	METAL CHIP 10 5% 1/10W	
R1337	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1338	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1339	1-218-845-11	METAL CHIP 820 0.5% 1/10W	
R1344	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1348	1-216-817-11	METAL CHIP 470 5% 1/10W	
R1350	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1352	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R1353	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1354	1-216-864-11	SHORT CHIP 0	
R1355	1-216-819-11	METAL CHIP 680 5% 1/10W	
R1356	1-216-830-11	METAL CHIP 5.6K 5% 1/10W	
R1358	1-218-871-11	METAL CHIP 10K 0.5% 1/10W	
R1359	1-218-871-11	METAL CHIP 10K 0.5% 1/10W	
R1361	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1363	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R1365	1-218-897-11	METAL CHIP 120K 0.5% 1/10W	
R1366	1-218-879-11	METAL CHIP 22K 0.5% 1/10W	
R1367	1-218-895-11	METAL CHIP 100K 0.5% 1/10W	
R1368	1-218-871-11	METAL CHIP 10K 0.5% 1/10W	
R1369	1-218-871-11	METAL CHIP 10K 0.5% 1/10W	
R1370	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R1371	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1372	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R1373	1-216-839-11	METAL CHIP 33K 5% 1/10W	
R1374	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R1387	1-216-841-11	METAL CHIP 47K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1398	1-216-864-11	SHORT CHIP 0	
R1399	1-216-864-11	SHORT CHIP 0	
R2059	1-216-864-11	SHORT CHIP 0	
R2060	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2061	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2062	1-216-809-11	METAL CHIP 100 5% 1/10W	
R2063	1-216-864-11	SHORT CHIP 0	
R2064	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2065	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2066	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2067	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2073	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2074	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2077	1-216-864-11	SHORT CHIP 0	
R2078	1-216-864-11	SHORT CHIP 0	
R2079	1-216-864-11	SHORT CHIP 0	
R2094	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2095	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2501	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2502	1-216-864-11	SHORT CHIP 0	
R2503	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2504	1-216-813-11	METAL CHIP 220 5% 1/10W	
R2505	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2506	1-216-805-11	METAL CHIP 47 5% 1/10W	
R2507	1-216-864-11	SHORT CHIP 0	
R2508	1-216-864-11	SHORT CHIP 0	
R2509	1-216-864-11	SHORT CHIP 0	
R2511	1-216-864-11	SHORT CHIP 0	
R2512	1-216-864-11	SHORT CHIP 0	
R2513	1-218-859-11	METAL CHIP 3.3K 0.5% 1/10W	
R2514	1-218-845-11	METAL CHIP 820 0.5% 1/10W	
R2516	1-218-863-11	METAL CHIP 4.7K 0.5% 1/10W	
R2517	1-218-863-11	METAL CHIP 4.7K 0.5% 1/10W	
R2519	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R2520	1-216-864-11	SHORT CHIP 0	
R2521	1-216-864-11	SHORT CHIP 0	
R2523	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R2524	1-216-864-11	SHORT CHIP 0	
R2525	1-216-864-11	SHORT CHIP 0	
R2526	1-216-864-11	SHORT CHIP 0	
R2529	1-216-830-11	METAL CHIP 5.6K 5% 1/10W	
R2537	1-216-804-11	METAL CHIP 39 5% 1/10W	
R2538	1-216-804-11	METAL CHIP 39 5% 1/10W	
R2541	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2543	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R2545	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R2548	1-216-789-11	METAL CHIP 2.2 5% 1/10W	
R2549	1-216-789-11	METAL CHIP 2.2 5% 1/10W	
R2553	1-216-797-11	METAL CHIP 10 5% 1/10W	
R2601	1-216-833-11	METAL CHIP 10K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R2602	1-216-864-11	SHORT CHIP	0
R2603	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2604	1-216-813-11	METAL CHIP	220 5% 1/10W
R2605	1-216-864-11	SHORT CHIP	0
R2606	1-216-805-11	METAL CHIP	47 5% 1/10W
R2607	1-216-805-11	METAL CHIP	47 5% 1/10W
R2608	1-216-864-11	SHORT CHIP	0
R2610	1-216-864-11	SHORT CHIP	0
R2612	1-216-864-11	SHORT CHIP	0
R2613	1-216-864-11	SHORT CHIP	0
R2614	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W
R2615	1-218-845-11	METAL CHIP	820 0.5% 1/10W
R2617	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R2618	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R2619	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R2620	1-216-864-11	SHORT CHIP	0
R2621	1-216-864-11	SHORT CHIP	0
R2624	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2625	1-216-864-11	SHORT CHIP	0
R2626	1-216-864-11	SHORT CHIP	0
R2627	1-216-864-11	SHORT CHIP	0
R2630	1-216-864-11	SHORT CHIP	0
R2631	1-216-864-11	SHORT CHIP	0
R2632	1-216-864-11	SHORT CHIP	0
R2633	1-216-804-11	METAL CHIP	39 5% 1/10W
R2634	1-216-804-11	METAL CHIP	39 5% 1/10W
R2635	1-216-830-11	METAL CHIP	5.6K 5% 1/10W
R2636	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
R2638	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R2642	1-216-797-11	METAL CHIP	10 5% 1/10W
R2644	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R2646	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R2649	1-216-789-11	METAL CHIP	2.2 5% 1/10W
R2650	1-216-789-11	METAL CHIP	2.2 5% 1/10W
R2656	1-216-797-11	METAL CHIP	10 5% 1/10W
R2665	1-216-864-11	SHORT CHIP	0
R2668	1-216-864-11	SHORT CHIP	0
R2674	1-216-864-11	SHORT CHIP	0
R2677	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2701	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2702	1-216-864-11	SHORT CHIP	0
R2703	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2704	1-216-805-11	METAL CHIP	47 5% 1/10W
R2705	1-216-805-11	METAL CHIP	47 5% 1/10W
R2706	1-216-864-11	SHORT CHIP	0
R2707	1-216-864-11	SHORT CHIP	0
R2708	1-216-864-11	SHORT CHIP	0
R2710	1-216-864-11	SHORT CHIP	0
R2711	1-216-864-11	SHORT CHIP	0
R2712	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W
R2713	1-218-845-11	METAL CHIP	820 0.5% 1/10W
R2715	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R2716	1-218-863-11	METAL CHIP	4.7K 0.5% 1/10W
R2717	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
R2718	1-216-864-11	SHORT CHIP	0
R2719	1-216-864-11	SHORT CHIP	0
R2722	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2723	1-216-864-11	SHORT CHIP	0
R2724	1-216-864-11	SHORT CHIP	0
R2725	1-216-864-11	SHORT CHIP	0
R2728	1-216-804-11	METAL CHIP	39 5% 1/10W
R2729	1-216-804-11	METAL CHIP	39 5% 1/10W
R2730	1-216-833-11	METAL CHIP	10K 5% 1/10W
R2731	1-216-801-11	METAL CHIP	22 5% 1/10W
R2732	1-216-805-11	METAL CHIP	47 5% 1/10W
R2733	1-216-830-11	METAL CHIP	5.6K 5% 1/10W
R2734	1-216-805-11	METAL CHIP	47 5% 1/10W
R2735	1-216-805-11	METAL CHIP	47 5% 1/10W
R2736	1-216-805-11	METAL CHIP	47 5% 1/10W
R2737	1-216-805-11	METAL CHIP	47 5% 1/10W
R2738	1-216-864-11	SHORT CHIP	0
R2739	1-216-805-11	METAL CHIP	47 5% 1/10W
R2740	1-216-797-11	METAL CHIP	10 5% 1/10W
R2741	1-216-864-11	SHORT CHIP	0
R2742	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R2743	1-216-805-11	METAL CHIP	47 5% 1/10W
R2744	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R2745	1-216-809-11	METAL CHIP	100 5% 1/10W
R2746	1-216-809-11	METAL CHIP	100 5% 1/10W
R2747	1-216-789-11	METAL CHIP	2.2 5% 1/10W
R2748	1-216-789-11	METAL CHIP	2.2 5% 1/10W
R2749	1-216-809-11	METAL CHIP	100 5% 1/10W
R2750	1-216-797-11	METAL CHIP	10 5% 1/10W
R2751	1-216-813-11	METAL CHIP	220 5% 1/10W
R2752	1-216-809-11	METAL CHIP	100 5% 1/10W
R2753	1-216-809-11	METAL CHIP	100 5% 1/10W
R2754	1-216-864-11	SHORT CHIP	0
R2801	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
R2802	1-218-847-11	METAL CHIP	1K 0.5% 1/10W
R2803	1-216-864-11	SHORT CHIP	0
R3017	1-216-864-11	SHORT CHIP	0
R3019	1-216-864-11	SHORT CHIP	0
R3026	1-216-864-11	SHORT CHIP	0
R3027	1-216-864-11	SHORT CHIP	0
R3101	1-216-841-11	METAL CHIP	47K 5% 1/10W
R3102	1-216-819-11	METAL CHIP	680 5% 1/10W
R3104	1-216-833-11	METAL CHIP	10K 5% 1/10W
R3106	1-216-833-11	METAL CHIP	10K 5% 1/10W
R3107	1-216-805-11	METAL CHIP	47 5% 1/10W
R3109	1-216-833-11	METAL CHIP	10K 5% 1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R3110	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3111	1-216-805-11	METAL CHIP 47 5%	1/10W
R3113	1-216-833-11	METAL CHIP 10K 5%	1/10W
R3176	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R3200	1-218-668-11	METAL CHIP 100 0.5%	1/10W
R3201	1-218-668-11	METAL CHIP 100 0.5%	1/10W
R3202	1-218-668-11	METAL CHIP 100 0.5%	1/10W
R3203	1-216-801-11	METAL CHIP 22 5%	1/10W
R3204	1-218-668-11	METAL CHIP 100 0.5%	1/10W
R3205	1-218-668-11	METAL CHIP 100 0.5%	1/10W
R3206	1-216-801-11	METAL CHIP 22 5%	1/10W
R3207	1-216-845-11	METAL CHIP 100K 5%	1/10W
R3208	1-216-805-11	METAL CHIP 47 5%	1/10W

< RESISTOR CHIP >

REF.NO.	PART NO.	DESCRIPTION	REMARK
RB2013	1-233-796-11	RES, NETWORK	(1608)
RB2501	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB2502	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB2503	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB2553	1-233-782-91	RES, NETWORK 10	(1608)
RB2601	1-233-782-91	RES, NETWORK 10	(1608)
RB2602	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB2603	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB2604	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB2629	1-233-785-91	RES, NETWORK 100	(1608)
RB2630	1-233-785-91	RES, NETWORK 100	(1608)
RB2631	1-233-785-91	RES, NETWORK 100	(1608)
RB2633	1-234-372-21	RES, NETWORK 100	(1005X4)
RB2634	1-234-372-21	RES, NETWORK 100	(1005X4)
RB2635	1-233-785-91	RES, NETWORK 100	(1608)
RB2636	1-234-372-21	RES, NETWORK 100	(1005X4)
RB2637	1-234-372-21	RES, NETWORK 100	(1005X4)
RB2640	1-233-785-91	RES, NETWORK 100	(1608)
RB2641	1-234-372-21	RES, NETWORK 100	(1005X4)
RB2642	1-234-372-21	RES, NETWORK 100	(1005X4)
RB2653	1-233-782-91	RES, NETWORK 10	(1608)
RB2701	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB2702	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB2703	1-233-574-11	RES, CHIP NETWORK 10	(3216)
RB3102	1-233-784-91	RES, NETWORK 47	(1608)
RB3104	1-233-789-11	RES, NETWORK 10K	(1608)
RB3201	1-233-575-11	RES, CHIP NETWORK 22	(3216)
RB3202	1-233-575-11	RES, CHIP NETWORK 22	(3216)
RB3203	1-233-575-11	RES, CHIP NETWORK 22	(3216)
RB3204	1-233-575-11	RES, CHIP NETWORK 22	(3216)
RB3205	1-233-575-11	RES, CHIP NETWORK 22	(3216)
RB3206	1-233-796-11	RES, NETWORK	(1608)
RB3207	1-233-796-11	RES, NETWORK	(1608)
RB3208	1-233-796-11	RES, NETWORK	(1608)
RB3209	1-233-575-11	RES, CHIP NETWORK 22	(3216)

* A-1127-037-A T2 BOARD COMPLETE

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN4340	* 1-564-518-11	PLUG, CONNECTOR 3P	

< SWITCH >

REF.NO.	PART NO.	DESCRIPTION	REMARK
S4340	1-786-591-11	SWITCH, MICRO	

* A-1107-972-A H3 BOARD COMPLETE

REF.NO.	PART NO.	DESCRIPTION	REMARK
A9001	* 4-042-408-02	PIN(45), WIRE	

< CAPACITOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
C3856	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3857	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4300	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C4301	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4303	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C4305	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C4307	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C4309	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN4300	1-784-828-11	CONNECTOR, D SUB	
CN4301	1-564-509-11	PLUG, CONNECTOR 6P	
CN4302	1-764-334-11	PIN, CONNECTOR(PCB)(V TYPE)11P	
CN4303	* 1-816-979-51	PLUG, CONNECTOR 8P	
CN4304	1-565-666-12	TERMINAL, S 4P	
CN4305	* 1-564-507-11	PLUG, CONNECTOR 4P	

< DIODE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
D4300	8-719-069-55	DIODE UDZSTE-175.6B	
D4301	8-719-016-73	DIODE STZ6.8T	
D4302	8-719-016-73	DIODE STZ6.8T	
D4303	8-719-016-73	DIODE STZ6.8T	
D4304	8-719-016-73	DIODE STZ6.8T	
D4305	8-719-016-73	DIODE STZ6.8T	
D4306	8-719-016-73	DIODE STZ6.8T	
D4307	8-719-069-55	DIODE UDZSTE-175.6B	
D4308	8-719-069-55	DIODE UDZSTE-175.6B	
D4309	8-719-069-55	DIODE UDZSTE-175.6B	
D4310	8-719-069-55	DIODE UDZSTE-175.6B	
D4311	8-719-069-55	DIODE UDZSTE-175.6B	
D4312	8-719-069-55	DIODE UDZSTE-175.6B	
D4313	8-719-069-55	DIODE UDZSTE-175.6B	

< FERRITE BEAD >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FB4300	1-414-813-11	FERRITE 0UH	

< FILTER >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FL4300	1-239-897-22	FERRITE 0UH	
FL4301	1-239-897-22	FERRITE 0UH	
FL4302	1-239-897-22	FERRITE 0UH	

< IC >

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC4300	8-759-661-55	IC ST24FC21M6TR	

< SOCKET >

REF.NO.	PART NO.	DESCRIPTION	REMARK
J4300	1-580-443-11	JACK, PIN 3P	
J4301	1-566-822-21	JACK	
J4302	1-568-267-11	JACK	

< COIL >

REF.NO.	PART NO.	DESCRIPTION	REMARK
L4301	1-414-189-31	INDUCTOR 100UH	
L4302	1-414-189-31	INDUCTOR 100UH	
L4303	1-410-985-42	INDUCTOR 0.22UH	

< TRANSISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q4300	8-729-010-05	TRANSISTOR MSB709-RT1	

< RESISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
R3881	1-216-853-11	METAL CHIP 470K 5%	1/10W
R3883	1-216-853-11	METAL CHIP 470K 5%	1/10W
R3889	1-216-864-11	SHORT CHIP 0	
R3890	1-216-864-11	SHORT CHIP 0	
R3891	1-216-864-11	SHORT CHIP 0	
R3892	1-216-864-11	SHORT CHIP 0	
R3893	1-216-864-11	SHORT CHIP 0	
R4300	1-216-835-11	METAL CHIP 15K 5%	1/10W
R4301	1-216-805-11	METAL CHIP 47 5%	1/10W
R4302	1-216-835-11	METAL CHIP 15K 5%	1/10W
R4303	1-216-805-11	METAL CHIP 47 5%	1/10W
R4304	1-216-813-11	METAL CHIP 220 5%	1/10W
R4305	1-216-805-11	METAL CHIP 47 5%	1/10W
R4307	1-216-849-11	METAL CHIP 220K 5%	1/10W
R4308	1-216-849-11	METAL CHIP 220K 5%	1/10W
R4312	1-216-864-11	SHORT CHIP 0	
R4313	1-216-864-11	SHORT CHIP 0	
R4314	1-216-805-11	METAL CHIP 47 5%	1/10W
R4315	1-216-805-11	METAL CHIP 47 5%	1/10W
R4316	1-216-864-11	SHORT CHIP 0	
R4317	1-216-821-11	METAL CHIP 1K 5%	1/10W
R4318	1-216-845-11	METAL CHIP 100K 5%	1/10W
R4321	1-216-864-11	SHORT CHIP 0	
R4322	1-216-864-11	SHORT CHIP 0	
R4323	1-216-864-11	SHORT CHIP 0	

< VARISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
VDR4300	1-803-974-21	VARISTOR, CHIP	(1608)
VDR4301	1-803-974-21	VARISTOR, CHIP	(1608)

* A-1129-435-A JB_WAX COMPLETE DIG

REF.NO.	PART NO.	DESCRIPTION	REMARK
	* 2-109-150-01	SHEET, RADIATION	
	4-087-203-01	PLASTIC RIVET	

< CAPACITOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
C1000	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1001	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1002	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1003	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1004	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C1005	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C1006	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1007	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C1008	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1009	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1010	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1011	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1012	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1014	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1015	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1016	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C1017	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1018	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C1019	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V
C1020	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1021	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V
C1022	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C1023	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1024	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C1028	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C1029	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C1032	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C1037	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C1050	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C2500	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2501	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2502	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2504	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2505	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2506	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2507	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2508	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2509	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C2510	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2511	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C2516	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2517	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2518	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V
C2519	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2520	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2521	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2522	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2523	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2524	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2526	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2527	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2528	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2529	1-127-760-11	CERAMIC CHIP 4.7UF	10% 6.3V
C2530	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2531	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2532	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2533	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2534	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2535	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2536	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2537	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2543	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2550	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2551	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2552	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2553	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2554	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2555	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2558	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C2559	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2560	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2591	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C2603	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5000	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5001	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5003	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5004	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5005	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5006	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5007	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5009	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5010	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5012	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5013	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5014	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5015	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5017	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5018	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5019	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5020	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5021	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5022	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5024	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5026	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5027	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5028	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5029	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C5030	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5031	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5032	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5033	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5034	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5035	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5036	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5037	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5038	1-162-918-11	CERAMIC CHIP 18PF	5.00% 50V
C5039	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5040	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5041	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5042	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C5043	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5044	1-162-917-11	CERAMIC CHIP 15PF	5.00% 50V
C5045	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C5046	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5047	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5048	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5049	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5050	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5051	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5052	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5058	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5059	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5060	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5061	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5062	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5063	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5064	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5065	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5066	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5067	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5068	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5069	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C5070	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5071	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5072	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5073	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5074	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5075	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5076	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5077	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C5078	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5079	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C5080	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C5081	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5082	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5083	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5084	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5085	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5086	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5087	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5088	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5089	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5090	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5091	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5092	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5093	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5094	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5095	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5096	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5097	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5100	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5101	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5102	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5103	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5104	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5105	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5106	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5107	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5108	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5109	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5110	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5111	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5112	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5113	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5114	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5115	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5116	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5117	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C5500	1-126-197-11	ELECT CHIP 10UF	20.00% 50V
C5501	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C5502	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C5503	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5504	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C5505	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C5507	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C5508	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C5509	1-126-197-11	ELECT CHIP 10UF	20.00% 50V
C5510	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C5511	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C5512	1-162-974-11	CERAMIC CHIP 0.01UF	50V
C5513	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5514	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C5515	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C5516	1-100-566-91	CERAMIC CHIP 0.1UF	10.00% 25V
C5700	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5701	1-128-536-11	ELECT CHIP 100UF	20.00% 25V
C5702	1-128-536-11	ELECT CHIP 100UF	20.00% 25V
C5703	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C5704	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C5705	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5706	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C5707	1-165-671-21	ELECT CHIP 470UF	20% 6.3V
C5709	1-165-671-21	ELECT CHIP 470UF	20% 6.3V
C5720	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5721	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5722	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5723	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5724	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5725	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5726	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5727	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5728	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5729	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5730	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5731	1-126-392-11	ELECT CHIP 100UF	20.00% 6.3V
C5740	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5741	1-128-536-11	ELECT CHIP 100UF	20.00% 25V
C5742	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C5743	1-128-536-11	ELECT CHIP 100UF	20.00% 25V
C6370	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C6371	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C6372	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C6373	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C6374	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C6375	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C6376	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C6398	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6399	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C6500	1-164-346-11	CERAMIC CHIP 1UF	16V
C6501	1-164-346-11	CERAMIC CHIP 1UF	16V
C7590	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C7591	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C7800	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C7815	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C7817	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7818	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7819	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7821	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C7822	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C7825	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C7826	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7827	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7828	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7830	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C7831	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C7833	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V
C7834	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C7835	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C7836	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C7838	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C7839	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C7840	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7841	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C7842	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7844	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7845	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C7846	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C7847	1-126-394-11	ELECT CHIP 10UF	20.00% 16V
C7849	1-162-928-11	CERAMIC CHIP 120PF	5.00% 50V
C7850	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7851	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C7852	1-126-396-11	ELECT CHIP 47UF	20.00% 16V
C7853	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C7993	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C7994	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C8535	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C9001	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9004	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9500	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9502	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9504	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9506	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C9512	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9513	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9514	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9515	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9520	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9521	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9522	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9523	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C9524	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C9539	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9540	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9541	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C9542	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9543	1-128-992-21	ELECT CHIP 47UF	20% 25V
C9559	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9560	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9561	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C9562	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C9563	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9565	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9567	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9568	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9569	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9570	1-117-681-11	ELECT CHIP 100UF	20.00% 16V
C9581	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9583	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9585	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9586	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9587	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9588	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9590	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C9591	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C9593	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9594	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9596	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9597	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9598	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9600	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9601	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9602	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9603	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C9604	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9605	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9615	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9616	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9617	1-127-861-11	CERAMIC CHIP 2.2UF	10% 16V
C9620	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9621	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9622	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9623	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C9641	1-125-889-91	CERAMIC CHIP 2.2UF	10% 10V
C9652	1-164-346-11	CERAMIC CHIP 1UF	16V
C9653	1-164-346-11	CERAMIC CHIP 1UF	16V
C9654	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C9655	1-164-388-91	CERAMIC CHIP 270PF	5.00% 50V
C9656	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C9657	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN5402	1-580-789-22	PIN, CONNECTOR (SMD) 6P	
CN5404	1-695-209-21	PIN, CONNECTOR (PC BOARD) 15P	
CN8550	1-764-079-21	PIN, CONNECTOR (PC BOARD) 4P	
CN8551	* 1-695-890-21	PIN, CONNECTOR (PC BOARD) 12P	
CN9500	1-695-549-11	SOCKET, PIN 21P	
CN9501	1-695-549-11	SOCKET, PIN 21P	
CN9505	1-695-209-21	PIN, CONNECTOR (PC BOARD) 15P	
CN9506	1-695-889-21	PIN, CONNECTOR (PC BOARD) 10P	
CN9507	* 1-779-268-21	PIN, CONNECTOR (1.5MM)(SMD)11P	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN9508	* 1-573-768-21	PIN, CONNECTOR (1.5MM) (SMD)5P	
CN9509	1-573-290-21	PIN, CONNECTOR (1.5MM) (SMD)4P	
CN9510	* 1-819-817-11	CONNECTOR (RECEPTACLE) 14P	
CN9511	* 1-695-210-21	PIN, CONNECTOR (PC BOARD) 15P	
CN9512	* 1-793-497-11	CONNECTOR, BOARD TO BOARD 40P	
CN9513	1-573-806-21	PIN, CONNECTOR (1.5MM) (SMD)6P	
CN9514	* 1-764-080-21	PIN, CONNECTOR (PC BOARD) 8P	

< DIODE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
D2501	8-719-081-97	DIODE MMDL914T1	
D2502	8-719-081-97	DIODE MMDL914T1	
D2503	8-719-081-97	DIODE MMDL914T1	
D5701	8-719-073-34	DIODE EC21QS03L-TE12L	
D5703	8-719-073-34	DIODE EC21QS03L-TE12L	
D5704	6-500-020-01	DIODE MM3Z4V3ST1	
D5705	6-500-020-01	DIODE MM3Z4V3ST1	
D7807	8-719-069-60	DIODE UDZSTE-179.1B	
D9500	8-719-069-60	DIODE UDZSTE-179.1B	
D9501	8-719-083-63	DIODE UDZSTE-1713B	
D9502	8-719-069-55	DIODE UDZSTE-175.6B	
D9503	8-719-069-60	DIODE UDZSTE-179.1B	
D9504	8-719-069-55	DIODE UDZSTE-175.6B	
D9505	8-719-069-60	DIODE UDZSTE-179.1B	
D9506	8-719-069-55	DIODE UDZSTE-175.6B	
D9507	8-719-069-60	DIODE UDZSTE-179.1B	
D9508	8-719-083-63	DIODE UDZSTE-1713B	
D9509	8-719-069-55	DIODE UDZSTE-175.6B	
D9510	8-719-069-55	DIODE UDZSTE-175.6B	
D9511	8-719-069-60	DIODE UDZSTE-179.1B	
D9512	8-719-069-55	DIODE UDZSTE-175.6B	
D9513	8-719-069-60	DIODE UDZSTE-179.1B	
D9514	8-719-069-55	DIODE UDZSTE-175.6B	
D9544	8-719-069-60	DIODE UDZSTE-179.1B	
D9545	8-719-069-60	DIODE UDZSTE-179.1B	
D9601	8-719-081-97	DIODE MMDL914T1	
D9602	8-719-069-60	DIODE UDZSTE-179.1B	
D9603	8-719-069-60	DIODE UDZSTE-179.1B	
D9604	8-719-069-60	DIODE UDZSTE-179.1B	
D9605	8-719-069-55	DIODE UDZSTE-175.6B	
D9606	8-719-069-55	DIODE UDZSTE-175.6B	
D9609	8-719-069-55	DIODE UDZSTE-175.6B	
D9610	8-719-069-55	DIODE UDZSTE-175.6B	
D9611	8-719-069-55	DIODE UDZSTE-175.6B	
D9612	8-719-069-55	DIODE UDZSTE-175.6B	
D9613	8-719-069-55	DIODE UDZSTE-175.6B	
D9616	8-719-073-34	DIODE EC21QS03L-TE12L	
D9617	8-719-069-55	DIODE UDZSTE-175.6B	
D9618	8-719-069-55	DIODE UDZSTE-175.6B	
D9619	8-719-069-55	DIODE UDZSTE-175.6B	
D9620	8-719-069-55	DIODE UDZSTE-175.6B	
D9621	8-719-069-55	DIODE UDZSTE-175.6B	
D9622	8-719-069-55	DIODE UDZSTE-175.6B	

< FUSE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
F5700 ⚠	1-576-415-21	FUSE	2A 32V

< FERRITE BEAD >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FB1000	1-414-760-21	FERRITE 0UH	
FB5500	1-400-179-21	INDUCTOR 0UH	
FB5501	1-400-179-21	INDUCTOR 0UH	
FB7800	1-414-760-21	FERRITE 0UH	
FB7801	1-414-760-21	FERRITE 0UH	
FB8563	1-400-244-11	FERRITE 0UH	

< FILTER >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FL2500	1-233-765-21	FILTER	
FL5000	1-234-177-21	FERRITE 0UH	
FL5001	1-234-177-21	FERRITE 0UH	
FL5002	1-234-177-21	FERRITE 0UH	
FL5003	1-234-177-21	FERRITE 0UH	
FL5004	1-234-177-21	FERRITE 0UH	
FL5005	1-234-177-21	FERRITE 0UH	
FL5006	1-234-177-21	FERRITE 0UH	
FL5007	1-234-177-21	FERRITE 0UH	
FL5500	1-234-177-21	FERRITE 0UH	
FL5501	1-234-177-21	FERRITE 0UH	

< IC >

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC1000	6-704-117-01	IC S-1111B33MC-NYSTFG	
IC1001	6-706-640-01	IC BH25FB1WG-TR	
IC1002	1-540-151-21	SOCKET, IC	
IC1003	6-706-232-01	IC SDA5550M-QB-T	
IC1005	6-704-573-01	IC M24C32-WMN6T(B)	
IC1006	6-702-313-01	IC PST600IMT	
IC1010	6-706-419-01	IC LM393DT (A)	
IC2500	6-706-475-01	IC TC7SET02FU(T5RSOJF)	
IC2501	8-753-212-10	IC CXA2163AQ-T6	
IC2504	6-704-465-01	IC MC74LVX8053DTR2	
IC2506	6-704-465-01	IC MC74LVX8053DTR2	
IC2507	8-759-524-24	IC TC7WT241FU(TE12R)	
IC2601	6-704-465-01	IC MC74LVX8053DTR2	
IC5000	6-708-533-01	IC SVPEX-SREVB	
IC5500	6-708-183-01	IC K4D263238G-VC36T	
IC5700	6-704-407-01	IC PQ1CZ41H2ZPH	
IC5701	6-704-407-01	IC PQ1CZ41H2ZPH	
IC5720	8-759-832-05	IC BA18BC0FP-E2	
IC5721	8-759-832-05	IC BA18BC0FP-E2	
IC5722	6-700-394-01	IC BA25BC0FP-E2	

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC5740	8-759-533-85	IC L88M05T-FA-TL	
IC6309	8-759-576-76	IC TDA2822D013TR	
IC7402	8-752-072-94	IC CXA1875AM-T4	
IC7403	6-706-137-01	IC K6F2008V2E-LF70T00	
IC7804	6-701-031-11	IC MSP3411G-QA-B11	
IC8500	8-752-072-94	IC CXA1875AM-T4	
IC9500	8-752-089-33	IC CXA2069Q-TL	
		< SOCKET >	
J2802	1-819-255-11	PIN JACK 2P	
J9154	1-819-721-11	PIN JACK 5P	
		< COIL >	
L1000	1-412-058-11	INDUCTOR 10UH	
L2500	1-412-029-11	INDUCTOR 10UH	
L2502	1-412-029-11	INDUCTOR 10UH	
L2504	1-412-029-11	INDUCTOR 10UH	
L2506	1-412-029-11	INDUCTOR 10UH	
L2507	1-412-029-11	INDUCTOR 10UH	
L2508	1-412-029-11	INDUCTOR 10UH	
L2509	1-412-029-11	INDUCTOR 10UH	
L2510	1-412-029-11	INDUCTOR 10UH	
L5000	1-414-394-11	INDUCTOR 2.2UH	
L5001	1-414-394-11	INDUCTOR 2.2UH	
L5002	1-414-394-11	INDUCTOR 2.2UH	
L5003	1-414-394-11	INDUCTOR 2.2UH	
L5004	1-400-179-21	INDUCTOR 0UH	
L5005	1-400-179-21	INDUCTOR 0UH	
L5006	1-216-801-11	METAL CHIP 22 5%	1/10W
L5007	1-216-801-11	METAL CHIP 22 5%	1/10W
L5008	1-456-984-11	INDUCTOR 0UH	
L5009	1-456-984-11	INDUCTOR 0UH	
L5010	1-400-179-21	INDUCTOR 0UH	
L5012	1-456-984-11	INDUCTOR 0UH	
L5013	1-456-984-11	INDUCTOR 0UH	
L5014	1-456-984-11	INDUCTOR 0UH	
L5015	1-400-179-21	INDUCTOR 0UH	
L5700	1-409-529-41	INDUCTOR 10UH	
L5701	1-456-786-21	INDUCTOR 47UH	
L5702	1-456-786-21	INDUCTOR 47UH	
L5729	1-400-784-21	INDUCTOR 4.7UH	
L6308	1-412-026-11	INDUCTOR 1UH	
L6316	1-412-029-11	INDUCTOR 10UH	
L6317	1-412-029-11	INDUCTOR 10UH	
L7803	1-412-029-11	INDUCTOR 10UH	
L7805	1-412-990-41	INDUCTOR 8.2UH	
L7806	1-412-029-11	INDUCTOR 10UH	
L7807	1-412-029-11	INDUCTOR 10UH	
L9500	1-412-029-11	INDUCTOR 10UH	

REF.NO.	PART NO.	DESCRIPTION	REMARK
L9502	1-412-030-11	INDUCTOR 22UH	
L9510	1-412-030-11	INDUCTOR 22UH	
		< TRANSISTOR >	
Q2501	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2502	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2503	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2504	8-729-010-05	TRANSISTOR MSB709-RT1	
Q2505	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2506	8-729-029-00	TRANSISTOR DTC115EUA-T106	
Q2508	8-729-029-00	TRANSISTOR DTC115EUA-T106	
Q2509	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2510	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2513	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2514	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2601	8-729-029-00	TRANSISTOR DTC115EUA-T106	
Q3878	8-729-010-29	TRANSISTOR MSD601-RST1	
Q3880	8-729-010-05	TRANSISTOR MSB709-RT1	
Q3881	8-729-010-29	TRANSISTOR MSD601-RST1	
Q5700	8-729-046-04	TRANSISTOR FDS6690A	
Q7412	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q7416	8-729-010-05	TRANSISTOR MSB709-RT1	
Q7800	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7801	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7802	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7803	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7806	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7810	8-729-010-29	TRANSISTOR MSD601-RST1	
Q7811	8-729-010-05	TRANSISTOR MSB709-RT1	
Q8490	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9500	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9510	8-729-927-99	TRANSISTOR 2SC4617R	
Q9511	8-729-927-99	TRANSISTOR 2SC4617R	
Q9512	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9514	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9515	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9516	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9601	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9602	6-550-014-01	TRANSISTOR SSM6N15FU(TE85R)	
Q9603	8-729-010-05	TRANSISTOR MSB709-RT1	
Q9604	8-729-421-19	TRANSISTOR UN2213	
Q9605	8-729-010-29	TRANSISTOR MSD601-RST1	
Q9606	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q9607	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
		< RESISTOR >	
R1001	1-216-809-11	METAL CHIP 100 5%	1/10W
R1002	1-218-990-81	SHORT CHIP 0	
R1003	1-218-990-81	SHORT CHIP 0	
R1009	1-216-829-11	METAL CHIP 4.7K 5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R1010	1-218-990-81	SHORT CHIP	0		
R1011	1-218-990-81	SHORT CHIP	0		
R1012	1-218-990-81	SHORT CHIP	0		
R1014	1-218-990-81	SHORT CHIP	0		
R1016	1-218-990-81	SHORT CHIP	0		
R1017	1-218-990-81	SHORT CHIP	0		
R1018	1-218-990-81	SHORT CHIP	0		
R1019	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1020	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1021	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1027	1-218-990-81	SHORT CHIP	0		
R1028	1-216-809-11	METAL CHIP	100	5%	1/10W
R1030	1-216-809-11	METAL CHIP	100	5%	1/10W
R1031	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R1033	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R1034	1-218-990-81	SHORT CHIP	0		
R1039	1-218-929-11	RES-CHIP	10	5%	1/16W
R1040	1-216-809-11	METAL CHIP	100	5%	1/10W
R1041	1-216-809-11	METAL CHIP	100	5%	1/10W
R1042	1-218-990-81	SHORT CHIP	0		
R1043	1-218-990-81	SHORT CHIP	0		
R1044	1-218-990-81	SHORT CHIP	0		
R1045	1-218-953-11	RES-CHIP	1K	5%	1/16W
R1046	1-218-990-81	SHORT CHIP	0		
R1047	1-218-990-81	SHORT CHIP	0		
R1059	1-216-809-11	METAL CHIP	100	5%	1/10W
R1060	1-216-817-11	METAL CHIP	470	5%	1/10W
R1063	1-216-809-11	METAL CHIP	100	5%	1/10W
R1064	1-216-809-11	METAL CHIP	100	5%	1/10W
R1065	1-216-809-11	METAL CHIP	100	5%	1/10W
R1069	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1082	1-218-990-81	SHORT CHIP	0		
R1083	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1102	1-218-990-81	SHORT CHIP	0		
R1103	1-218-990-81	SHORT CHIP	0		
R1104	1-218-990-81	SHORT CHIP	0		
R1105	1-218-990-81	SHORT CHIP	0		
R1106	1-218-990-81	SHORT CHIP	0		
R1115	1-216-864-11	SHORT CHIP	0		
R1120	1-216-864-11	SHORT CHIP	0		
R1126	1-218-941-81	RES-CHIP	100	5%	1/16W
R1127	1-216-864-11	SHORT CHIP	0		
R1132	1-216-864-11	SHORT CHIP	0		
R1133	1-216-864-11	SHORT CHIP	0		
R1205	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1209	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1215	1-216-864-11	SHORT CHIP	0		
R2500	1-216-864-11	SHORT CHIP	0		
R2501	1-216-809-11	METAL CHIP	100	5%	1/10W
R2502	1-216-809-11	METAL CHIP	100	5%	1/10W
R2503	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2506	1-216-838-11	METAL CHIP	27K	5%	1/10W
R2507	1-216-864-11	SHORT CHIP	0		
R2508	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R2511	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2512	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2513	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2514	1-216-864-11	SHORT CHIP	0		
R2515	1-216-817-11	METAL CHIP	470	5%	1/10W
R2517	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2518	1-216-864-11	SHORT CHIP	0		
R2519	1-216-864-11	SHORT CHIP	0		
R2520	1-216-864-11	SHORT CHIP	0		
R2521	1-216-864-11	SHORT CHIP	0		
R2522	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R2523	1-216-864-11	SHORT CHIP	0		
R2524	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R2528	1-216-864-11	SHORT CHIP	0		
R2529	1-216-864-11	SHORT CHIP	0		
R2530	1-216-820-11	METAL CHIP	820	5%	1/10W
R2531	1-216-818-11	METAL CHIP	560	5%	1/10W
R2534	1-216-864-11	SHORT CHIP	0		
R2535	1-216-809-11	METAL CHIP	100	5%	1/10W
R2537	1-216-809-11	METAL CHIP	100	5%	1/10W
R2538	1-216-809-11	METAL CHIP	100	5%	1/10W
R2539	1-216-809-11	METAL CHIP	100	5%	1/10W
R2540	1-216-809-11	METAL CHIP	100	5%	1/10W
R2542	1-216-809-11	METAL CHIP	100	5%	1/10W
R2544	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2545	1-216-817-11	METAL CHIP	470	5%	1/10W
R2546	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2547	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2548	1-216-811-11	METAL CHIP	150	5%	1/10W
R2549	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R2556	1-216-834-11	METAL CHIP	12K	5%	1/10W
R2558	1-216-864-11	SHORT CHIP	0		
R2559	1-216-864-11	SHORT CHIP	0		
R2560	1-216-864-11	SHORT CHIP	0		
R2561	1-216-864-11	SHORT CHIP	0		
R2562	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2563	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2564	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2565	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2566	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2567	1-216-864-11	SHORT CHIP	0		
R2568	1-216-864-11	SHORT CHIP	0		
R2569	1-216-864-11	SHORT CHIP	0		
R2571	1-216-864-11	SHORT CHIP	0		
R2573	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2574	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R2576	1-216-864-11	SHORT CHIP	0		
R2577	1-216-864-11	SHORT CHIP	0		
R2578	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2579	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2580	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2581	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2582	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2583	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2587	1-216-864-11	SHORT CHIP	0		
R2588	1-216-864-11	SHORT CHIP	0		
R2589	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2590	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2591	1-216-809-11	METAL CHIP	100	5%	1/10W
R2592	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2593	1-216-809-11	METAL CHIP	100	5%	1/10W
R2594	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2595	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2596	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2597	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R2598	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2599	1-216-809-11	METAL CHIP	100	5%	1/10W
R2600	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2601	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2602	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2603	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2604	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2605	1-216-864-11	SHORT CHIP	0		
R2607	1-216-864-11	SHORT CHIP	0		
R2608	1-216-864-11	SHORT CHIP	0		
R2610	1-216-864-11	SHORT CHIP	0		
R2611	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2612	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2613	1-216-864-11	SHORT CHIP	0		
R2615	1-216-864-11	SHORT CHIP	0		
R2616	1-216-864-11	SHORT CHIP	0		
R2618	1-216-864-11	SHORT CHIP	0		
R2619	1-216-864-11	SHORT CHIP	0		
R2620	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2621	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2622	1-216-864-11	SHORT CHIP	0		
R2623	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2624	1-216-864-11	SHORT CHIP	0		
R2625	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2627	1-216-864-11	SHORT CHIP	0		
R5000	1-216-864-11	SHORT CHIP	0		
R5001	1-216-864-11	SHORT CHIP	0		
R5002	1-216-864-11	SHORT CHIP	0		
R5003	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5005	1-216-864-11	SHORT CHIP	0		

REF.NO.	PART NO.	DESCRIPTION			REMARK
R5007	1-216-864-11	SHORT CHIP	0		
R5008	1-216-864-11	SHORT CHIP	0		
R5009	1-216-864-11	SHORT CHIP	0		
R5010	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5012	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5015	1-216-864-11	SHORT CHIP	0		
R5023	1-216-864-11	SHORT CHIP	0		
R5032	1-218-933-11	RES-CHIP	22	5%	1/16W
R5033	1-218-933-11	RES-CHIP	22	5%	1/16W
R5034	1-218-990-81	SHORT CHIP	0		
R5043	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5500	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5501	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5502	1-211-986-11	METAL CHIP	51	0.5%	1/10W
R5503	1-211-986-11	METAL CHIP	51	0.5%	1/10W
R5504	1-218-933-11	RES-CHIP	22	5%	1/16W
R5505	1-218-933-11	RES-CHIP	22	5%	1/16W
R5506	1-218-933-11	RES-CHIP	22	5%	1/16W
R5507	1-218-933-11	RES-CHIP	22	5%	1/16W
R5508	1-218-933-11	RES-CHIP	22	5%	1/16W
R5509	1-218-933-11	RES-CHIP	22	5%	1/16W
R5510	1-218-990-81	SHORT CHIP	0		
R5511	1-218-990-81	SHORT CHIP	0		
R5512	1-218-933-11	RES-CHIP	22	5%	1/16W
R5513	1-218-933-11	RES-CHIP	22	5%	1/16W
R5514	1-218-933-11	RES-CHIP	22	5%	1/16W
R5515	1-218-933-11	RES-CHIP	22	5%	1/16W
R5516	1-218-933-11	RES-CHIP	22	5%	1/16W
R5700	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5701	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5702	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5704	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5707	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5710	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R5711	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R5714	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R5715	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R5716	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R5717	1-216-295-91	SHORT CHIP	0		
R5718	1-216-295-91	SHORT CHIP	0		
R5720	1-216-295-91	SHORT CHIP	0		
R5722	1-216-295-91	SHORT CHIP	0		
R5724	1-216-295-91	SHORT CHIP	0		
R5726	1-216-295-91	SHORT CHIP	0		
R5728	1-216-295-91	SHORT CHIP	0		
R5732	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R6527	1-216-805-11	METAL CHIP	47	5%	1/10W
R6528	1-216-805-11	METAL CHIP	47	5%	1/10W
R6529	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R6530	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R6531	1-216-837-11	METAL CHIP 22K	5% 1/10W
R6532	1-216-837-11	METAL CHIP 22K	5% 1/10W
R6533	1-220-234-11	METAL CHIP 4.7	10% 1/4W
R6534	1-220-234-11	METAL CHIP 4.7	10% 1/4W
R6535	1-216-813-11	METAL CHIP 220	5% 1/10W
R6536	1-216-813-11	METAL CHIP 220	5% 1/10W
R6537	1-216-809-11	METAL CHIP 100	5% 1/10W
R6538	1-216-809-11	METAL CHIP 100	5% 1/10W
R6539	1-216-809-11	METAL CHIP 100	5% 1/10W
R6540	1-216-809-11	METAL CHIP 100	5% 1/10W
R6541	1-216-821-11	METAL CHIP 1K	5% 1/10W
R6542	1-216-821-11	METAL CHIP 1K	5% 1/10W
R6543	1-216-821-11	METAL CHIP 1K	5% 1/10W
R6545	1-216-864-11	SHORT CHIP 0	
R7484	1-218-990-81	SHORT CHIP 0	
R7485	1-218-990-81	SHORT CHIP 0	
R7486	1-218-990-81	SHORT CHIP 0	
R7487	1-218-990-81	SHORT CHIP 0	
R7488	1-218-990-81	SHORT CHIP 0	
R7489	1-218-990-81	SHORT CHIP 0	
R7490	1-218-990-81	SHORT CHIP 0	
R7491	1-218-990-81	SHORT CHIP 0	
R7492	1-218-965-11	RES-CHIP 10K	5% 1/16W
R7493	1-218-965-11	RES-CHIP 10K	5% 1/16W
R7494	1-218-965-11	RES-CHIP 10K	5% 1/16W
R7495	1-216-841-11	METAL CHIP 47K	5% 1/10W
R7496	1-218-965-11	RES-CHIP 10K	5% 1/16W
R7497	1-218-965-11	RES-CHIP 10K	5% 1/16W
R7500	1-218-990-81	SHORT CHIP 0	
R7504	1-216-809-11	METAL CHIP 100	5% 1/10W
R7505	1-216-809-11	METAL CHIP 100	5% 1/10W
R7506	1-216-809-11	METAL CHIP 100	5% 1/10W
R7507	1-216-809-11	METAL CHIP 100	5% 1/10W
R7508	1-218-847-11	METAL CHIP 1K	0.5% 1/10W
R7509	1-216-809-11	METAL CHIP 100	5% 1/10W
R7510	1-216-809-11	METAL CHIP 100	5% 1/10W
R7511	1-216-809-11	METAL CHIP 100	5% 1/10W
R7512	1-216-809-11	METAL CHIP 100	5% 1/10W
R7529	1-218-990-81	SHORT CHIP 0	
R7531	1-218-990-81	SHORT CHIP 0	
R7532	1-218-990-81	SHORT CHIP 0	
R7533	1-218-990-81	SHORT CHIP 0	
R7534	1-216-833-11	METAL CHIP 10K	5% 1/10W
R7537	1-218-990-81	SHORT CHIP 0	
R7538	1-216-864-11	SHORT CHIP 0	
R7541	1-218-990-81	SHORT CHIP 0	
R7545	1-218-965-11	RES-CHIP 10K	5% 1/16W
R7551	1-218-990-81	SHORT CHIP 0	
R7552	1-216-841-11	METAL CHIP 47K	5% 1/10W
R7553	1-216-841-11	METAL CHIP 47K	5% 1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R7560	1-216-841-11	METAL CHIP 47K	5% 1/10W
R7561	1-216-841-11	METAL CHIP 47K	5% 1/10W
R7563	1-216-864-11	SHORT CHIP 0	
R7564	1-216-864-11	SHORT CHIP 0	
R7565	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R7566	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R7567	1-216-809-11	METAL CHIP 100	5% 1/10W
R7568	1-218-990-81	SHORT CHIP 0	
R7571	1-218-990-81	SHORT CHIP 0	
R7577	1-216-809-11	METAL CHIP 100	5% 1/10W
R7578	1-218-965-11	RES-CHIP 10K	5% 1/16W
R7580	1-218-965-11	RES-CHIP 10K	5% 1/16W
R7588	1-218-965-11	RES-CHIP 10K	5% 1/16W
R7592	1-218-965-11	RES-CHIP 10K	5% 1/16W
R7599	1-218-990-81	SHORT CHIP 0	
R7602	1-216-845-11	METAL CHIP 100K	5% 1/10W
R7802	1-216-836-11	METAL CHIP 18K	5% 1/10W
R7803	1-216-836-11	METAL CHIP 18K	5% 1/10W
R7804	1-216-839-11	METAL CHIP 33K	5% 1/10W
R7805	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R7806	1-216-839-11	METAL CHIP 33K	5% 1/10W
R7807	1-218-841-11	METAL CHIP 560	0.5% 1/10W
R7808	1-218-841-11	METAL CHIP 560	0.5% 1/10W
R7822	1-216-845-11	METAL CHIP 100K	5% 1/10W
R7828	1-216-836-11	METAL CHIP 18K	5% 1/10W
R7829	1-216-839-11	METAL CHIP 33K	5% 1/10W
R7830	1-218-841-11	METAL CHIP 560	0.5% 1/10W
R7840	1-216-809-11	METAL CHIP 100	5% 1/10W
R7841	1-216-833-11	METAL CHIP 10K	5% 1/10W
R7843	1-216-809-11	METAL CHIP 100	5% 1/10W
R7844	1-216-845-11	METAL CHIP 100K	5% 1/10W
R7847	1-216-836-11	METAL CHIP 18K	5% 1/10W
R7848	1-216-839-11	METAL CHIP 33K	5% 1/10W
R7849	1-218-841-11	METAL CHIP 560	0.5% 1/10W
R7854	1-216-864-11	SHORT CHIP 0	
R7856	1-216-864-11	SHORT CHIP 0	
R7857	1-216-821-11	METAL CHIP 1K	5% 1/10W
R7859	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R7860	1-216-829-11	METAL CHIP 4.7K	5% 1/10W
R7864	1-216-805-11	METAL CHIP 47	5% 1/10W
R7865	1-216-821-11	METAL CHIP 1K	5% 1/10W
R7866	1-216-864-11	SHORT CHIP 0	
R7867	1-216-864-11	SHORT CHIP 0	
R7969	1-216-864-11	SHORT CHIP 0	
R7970	1-216-864-11	SHORT CHIP 0	
R7971	1-216-864-11	SHORT CHIP 0	
R7972	1-216-864-11	SHORT CHIP 0	
R8000	1-216-864-11	SHORT CHIP 0	
R8003	1-216-824-11	METAL CHIP 1.8K	5% 1/10W
R8497	1-216-833-11	METAL CHIP 10K	5% 1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R8498	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R8499	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R8529	1-216-864-11	SHORT CHIP 0	
R8530	1-216-864-11	SHORT CHIP 0	
R8531	1-216-864-11	SHORT CHIP 0	
R8532	1-216-864-11	SHORT CHIP 0	
R8538	1-216-864-11	SHORT CHIP 0	
R8539	1-216-864-11	SHORT CHIP 0	
R8541	1-216-809-11	METAL CHIP 100 5% 1/10W	
R8560	1-216-864-11	SHORT CHIP 0	
R8561	1-216-864-11	SHORT CHIP 0	
R8562	1-216-864-11	SHORT CHIP 0	
R8581	1-216-864-11	SHORT CHIP 0	
R8590	1-216-864-11	SHORT CHIP 0	
R8597	1-216-864-11	SHORT CHIP 0	
R9500	1-216-864-11	SHORT CHIP 0	
R9501	1-216-864-11	SHORT CHIP 0	
R9503	1-216-815-11	METAL CHIP 330 5% 1/10W	
R9504	1-216-049-11	RES-CHIP 1K 5% 1/10W	
R9505	1-216-813-11	METAL CHIP 220 5% 1/10W	
R9506	1-216-864-11	SHORT CHIP 0	
R9507	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9508	1-216-815-11	METAL CHIP 330 5% 1/10W	
R9509	1-216-049-11	RES-CHIP 1K 5% 1/10W	
R9510	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9511	1-216-813-11	METAL CHIP 220 5% 1/10W	
R9512	1-216-864-11	SHORT CHIP 0	
R9513	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9514	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9515	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R9516	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9517	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9518	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9520	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9521	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9522	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9523	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9524	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9525	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9526	1-216-022-00	RES-CHIP 75 5% 1/10W	
R9527	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9528	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9529	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9530	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9531	1-216-815-11	METAL CHIP 330 5% 1/10W	
R9532	1-216-049-11	RES-CHIP 1K 5% 1/10W	
R9533	1-216-815-11	METAL CHIP 330 5% 1/10W	
R9534	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9535	1-216-813-11	METAL CHIP 220 5% 1/10W	
R9536	1-216-864-11	SHORT CHIP 0	
R9537	1-216-813-11	METAL CHIP 220 5% 1/10W	
R9538	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9539	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9540	1-216-049-11	RES-CHIP 1K 5% 1/10W	
R9541	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9543	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9544	1-216-864-11	SHORT CHIP 0	
R9545	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9546	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9547	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9548	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R9549	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9550	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R9551	1-216-022-00	RES-CHIP 75 5% 1/10W	
R9552	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9553	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9554	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9555	1-216-029-00	RES-CHIP 150 5% 1/10W	
R9556	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9557	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9558	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9559	1-216-025-11	RES-CHIP 100 5% 1/10W	
R9560	1-216-864-11	SHORT CHIP 0	
R9561	1-216-864-11	SHORT CHIP 0	
R9562	1-216-864-11	SHORT CHIP 0	
R9564	1-216-864-11	SHORT CHIP 0	
R9565	1-216-864-11	SHORT CHIP 0	
R9566	1-218-285-11	METAL CHIP 75 5% 1/10W	
R9567	1-216-864-11	SHORT CHIP 0	
R9568	1-218-285-11	METAL CHIP 75 5% 1/10W	
R9569	1-216-864-11	SHORT CHIP 0	
R9570	1-218-285-11	METAL CHIP 75 5% 1/10W	
R9588	1-216-834-11	METAL CHIP 12K 5% 1/10W	
R9589	1-216-834-11	METAL CHIP 12K 5% 1/10W	
R9606	1-216-864-11	SHORT CHIP 0	
R9611	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9612	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R9613	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9614	1-216-864-11	SHORT CHIP 0	
R9615	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R9616	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R9617	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9618	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R9619	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R9626	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9627	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R9628	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R9629	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R9630	1-216-809-11	METAL CHIP 100 5% 1/10W	
R9631	1-216-809-11	METAL CHIP 100 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R9632	1-216-864-11	SHORT CHIP	0
R9633	1-216-864-11	SHORT CHIP	0
R9634	1-216-864-11	SHORT CHIP	0
R9638	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R9639	1-216-809-11	METAL CHIP	100 5% 1/10W
R9640	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R9641	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R9642	1-216-809-11	METAL CHIP	100 5% 1/10W
R9643	1-216-809-11	METAL CHIP	100 5% 1/10W
R9644	1-216-864-11	SHORT CHIP	0
R9645	1-216-864-11	SHORT CHIP	0
R9652	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R9653	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
R9656	1-216-809-11	METAL CHIP	100 5% 1/10W
R9658	1-216-830-11	METAL CHIP	5.6K 5% 1/10W
R9659	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R9660	1-218-859-11	METAL CHIP	3.3K 0.5% 1/10W
R9661	1-216-830-11	METAL CHIP	5.6K 5% 1/10W
R9662	1-218-867-11	METAL CHIP	6.8K 0.5% 1/10W
R9663	1-216-809-11	METAL CHIP	100 5% 1/10W
R9664	1-218-861-11	METAL CHIP	3.9K 0.5% 1/10W
R9666	1-216-809-11	METAL CHIP	100 5% 1/10W
R9672	1-216-821-11	METAL CHIP	1K 5% 1/10W
R9673	1-216-813-11	METAL CHIP	220 5% 1/10W
R9675	1-216-821-11	METAL CHIP	1K 5% 1/10W
R9676	1-216-821-11	METAL CHIP	1K 5% 1/10W
R9677	1-216-821-11	METAL CHIP	1K 5% 1/10W
R9678	1-216-821-11	METAL CHIP	1K 5% 1/10W
R9679	1-216-809-11	METAL CHIP	100 5% 1/10W
R9680	1-216-821-11	METAL CHIP	1K 5% 1/10W
R9681	1-216-809-11	METAL CHIP	100 5% 1/10W
R9689	1-216-821-11	METAL CHIP	1K 5% 1/10W
R9690	1-216-821-11	METAL CHIP	1K 5% 1/10W
R9691	1-216-853-11	METAL CHIP	470K 5% 1/10W
R9692	1-216-853-11	METAL CHIP	470K 5% 1/10W
R9693	1-216-029-00	RES-CHIP	150 5% 1/10W
R9694	1-216-864-11	SHORT CHIP	0
R9695	1-216-864-11	SHORT CHIP	0
R9696	1-216-864-11	SHORT CHIP	0
R9697	1-216-029-00	RES-CHIP	150 5% 1/10W
R9698	1-216-029-00	RES-CHIP	150 5% 1/10W
R9699	1-216-029-00	RES-CHIP	150 5% 1/10W
R9700	1-216-029-00	RES-CHIP	150 5% 1/10W
R9701	1-216-029-00	RES-CHIP	150 5% 1/10W
R9702	1-216-029-00	RES-CHIP	150 5% 1/10W
R9703	1-216-029-00	RES-CHIP	150 5% 1/10W
R9704	1-216-029-00	RES-CHIP	150 5% 1/10W
R9705	1-216-029-00	RES-CHIP	150 5% 1/10W
R9706	1-216-029-00	RES-CHIP	150 5% 1/10W
R9707	1-216-029-00	RES-CHIP	150 5% 1/10W
R9708	1-216-029-00	RES-CHIP	150 5% 1/10W
R9709	1-216-029-00	RES-CHIP	150 5% 1/10W
R9713	1-216-864-11	SHORT CHIP	0
R9722	1-218-875-11	METAL CHIP	15K 0.5% 1/10W
R9723	1-218-875-11	METAL CHIP	15K 0.5% 1/10W
R9725	1-216-864-11	SHORT CHIP	0
R9726	1-216-864-11	SHORT CHIP	0
R9727	1-216-864-11	SHORT CHIP	0
R9728	1-216-864-11	SHORT CHIP	0
R9729	1-216-864-11	SHORT CHIP	0
R9730	1-216-025-11	RES-CHIP	100 5% 1/10W
R9731	1-216-025-11	RES-CHIP	100 5% 1/10W
R9732	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R9733	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R9734	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R9735	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
R9736	1-216-809-11	METAL CHIP	100 5% 1/10W
R9737	1-216-809-11	METAL CHIP	100 5% 1/10W
R9738	1-216-809-11	METAL CHIP	100 5% 1/10W
R9739	1-216-809-11	METAL CHIP	100 5% 1/10W
R9740	1-216-809-11	METAL CHIP	100 5% 1/10W
R9741	1-216-809-11	METAL CHIP	100 5% 1/10W
R9742	1-216-809-11	METAL CHIP	100 5% 1/10W
R9744	1-216-817-11	METAL CHIP	470 5% 1/10W
R9745	1-216-837-11	METAL CHIP	22K 5% 1/10W
R9746	1-216-849-11	METAL CHIP	220K 5% 1/10W
R9747	1-216-839-11	METAL CHIP	33K 5% 1/10W
R9748	1-216-839-11	METAL CHIP	33K 5% 1/10W
R9749	1-216-833-11	METAL CHIP	10K 5% 1/10W
R9750	1-216-821-11	METAL CHIP	1K 5% 1/10W
R9751	1-216-864-11	SHORT CHIP	0
R9752	1-216-022-00	RES-CHIP	75 5% 1/10W
R9753	1-216-022-00	RES-CHIP	75 5% 1/10W
R9754	1-216-025-11	RES-CHIP	100 5% 1/10W
R9759	1-216-864-11	SHORT CHIP	0
R9760	1-216-864-11	SHORT CHIP	0
R9761	1-216-864-11	SHORT CHIP	0
R9762	1-216-864-11	SHORT CHIP	0
R9763	1-216-864-11	SHORT CHIP	0
R9764	1-216-864-11	SHORT CHIP	0
R9766	1-218-965-11	RES-CHIP	10K 5% 1/16W
R9767	1-216-809-11	METAL CHIP	100 5% 1/10W
R9769	1-218-933-11	RES-CHIP	22 5% 1/16W
R9770	1-216-864-11	SHORT CHIP	0
R9773	1-216-864-11	SHORT CHIP	0
R9774	1-216-864-11	SHORT CHIP	0
R9775	1-218-827-11	METAL CHIP	150 0.5% 1/10W
R9776	1-218-827-11	METAL CHIP	150 0.5% 1/10W
R9777	1-218-827-11	METAL CHIP	150 0.5% 1/10W
R9778	1-218-827-11	METAL CHIP	150 0.5% 1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R9779	1-218-827-11	METAL CHIP 150	0.5% 1/10W
R9780	1-218-827-11	METAL CHIP 150	0.5% 1/10W
R9781	1-216-833-11	METAL CHIP 10K	5% 1/10W
R9782	1-216-833-11	METAL CHIP 10K	5% 1/10W

< RESISTOR CHIP >

REF.NO.	PART NO.	DESCRIPTION	REMARK
RB1000	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1001	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1002	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1003	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1004	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1005	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1006	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1007	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1008	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB1009	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB1010	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1011	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1012	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1013	1-234-371-21	RES, NETWORK 47	(1005X4)
RB1014	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1015	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1016	1-234-372-21	RES, NETWORK 100	(1005X4)
RB1017	1-234-372-21	RES, NETWORK 100	(1005X4)
RB4703	1-234-370-21	RES, NETWORK 22	(1005X4)
RB4704	1-234-370-21	RES, NETWORK 22	(1005X4)
RB4705	1-234-370-21	RES, NETWORK 22	(1005X4)
RB4706	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5500	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5501	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5502	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5503	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5504	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5505	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5506	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5507	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5509	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5510	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5511	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5512	1-234-370-21	RES, NETWORK 22	(1005X4)

< VARISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
VD012	1-803-974-21	VARISTOR, CHIP	(1608)
VD013	1-803-974-21	VARISTOR, CHIP	(1608)
VDR004	1-803-974-21	VARISTOR, CHIP	(1608)
VDR005	1-803-974-21	VARISTOR, CHIP	(1608)
VDR006	1-803-974-21	VARISTOR, CHIP	(1608)
VDR007	1-803-974-21	VARISTOR, CHIP	(1608)
VDR008	1-803-974-21	VARISTOR, CHIP	(1608)
VDR009	1-803-974-21	VARISTOR, CHIP	(1608)
VDR010	1-803-974-21	VARISTOR, CHIP	(1608)
VDR011	1-803-974-21	VARISTOR, CHIP	(1608)

< CRYSTAL >

REF.NO.	PART NO.	DESCRIPTION	REMARK
X1000	1-795-537-21	VIBRATOR, CRYSTAL	
X2500	1-781-730-11	VIBRATOR, CRYSTAL	
X5000	1-795-790-11	VIBRATOR, CRYSTAL	
X7800	1-795-612-11	VIBRATOR, CRYSTAL	

* A-1151-409-B N COMPLETE LE4B (ZAPPING)

REF.NO.	PART NO.	DESCRIPTION	REMARK
	2-580-625-01	SCREW, +B M2X8	
	4-204-791-01	SCREW + B, 2X8	
A3300	* 1-815-640-21	CONNECTOR, CARD (PCMCIA CARD)	

< CAPACITOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
C3100	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3101	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3102	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3103	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3104	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3105	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3106	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3107	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3108	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3109	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3110	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3111	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3112	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3113	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3114	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3115	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3116	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3117	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3118	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3119	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3120	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3121	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3122	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3123	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3124	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3125	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3126	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3127	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3128	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3129	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3130	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3131	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3132	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C3133	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C3134	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3135	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3136	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3137	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3138	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3200	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3201	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3202	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3203	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3204	1-164-846-11	CERAMIC CHIP 6PF	0.50PF 50V
C3205	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3206	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3207	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3208	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3209	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3210	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3211	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3212	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3213	1-164-846-11	CERAMIC CHIP 6PF	0.50PF 50V
C3214	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3215	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3216	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3217	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3218	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3219	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3220	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3230	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3300	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3301	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3303	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3304	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3306	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3307	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3308	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3309	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3310	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3311	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3312	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3313	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3314	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3315	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3316	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3317	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3318	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3320	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3321	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3322	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3323	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3324	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3326	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C3400	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V
C3402	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3403	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3404	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3405	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3406	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3407	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3408	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3409	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3410	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3411	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C3412	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3413	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3414	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3415	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3416	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3417	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3418	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3419	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3420	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3421	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3422	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3423	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3424	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3425	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3426	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3427	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3428	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3429	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3430	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3431	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3432	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3433	1-100-354-21	ELECT CHIP 220UF	20% 6.3V
C3434	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3435	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3436	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3438	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3439	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3440	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3441	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C3442	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3443	1-100-597-91	CERAMIC CHIP 0.1UF	10% 25V
C3444	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V
C3445	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V
C3446	1-100-611-91	CERAMIC CHIP 22UF	20% 6.3V
C3447	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3448	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3449	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3450	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C3451	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C3452	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C3504	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3509	1-117-720-11	CERAMIC CHIP 4.7UF	10V
C3513	1-126-206-11	ELECT CHIP 100UF	20.00% 6.3V
C3514	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3518	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3520	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3521	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3522	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3523	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3524	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3525	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3526	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C3527	1-164-872-11	CERAMIC CHIP 82PF	5.00% 50V
C3528	1-164-858-11	CERAMIC CHIP 22PF	5.00% 50V
C3529	1-164-872-11	CERAMIC CHIP 82PF	5.00% 50V
C3530	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3531	1-164-937-11	CERAMIC CHIP 0.001UF	10.00% 50V
C3532	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3533	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3534	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3535	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3536	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3537	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3538	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3539	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3540	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3541	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3542	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3543	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3544	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3545	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3546	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3547	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3548	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3549	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3550	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3551	1-164-943-81	CERAMIC CHIP 0.01UF	10.00% 16V
C3552	1-164-860-11	CERAMIC CHIP 27PF	5.00% 50V
C3553	1-164-860-11	CERAMIC CHIP 27PF	5.00% 50V
C3570	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3571	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3800	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3801	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3802	1-124-779-00	ELECT CHIP 10UF	20.00% 16V
C3804	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3805	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3806	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3807	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3808	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C3809	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3810	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3811	1-164-935-11	CERAMIC CHIP 470PF	10.00% 50V
C3812	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3813	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3814	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3816	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V
C3817	1-125-777-11	CERAMIC CHIP 0.1UF	10.00% 10V

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN3300	* 1-815-641-11	CONNECTOR, CARD (PCMCIA CARD)	
CN3400	1-695-209-21	PIN, CONNECTOR (PC BOARD) 15P	
CN3401	1-764-087-21	PIN, CONNECTOR (PC BOARD) 14P	
CN3402	1-695-889-21	PIN, CONNECTOR (PC BOARD) 10P	
CN3403	* 1-779-268-21	PIN, CONNECTOR (1.5MM)(SMD)11P	
CN3404	* 1-766-376-11	PIN, CONNECTOR (1.5MM)(SMD) 9P	
CN3500	1-784-024-21	JACK 10P	
CN3503	* 1-764-080-21	PIN, CONNECTOR (PC BOARD) 8P	

< DIODE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
D3400	8-719-070-20	DIODE RB706F-40	
D3401	8-719-070-20	DIODE RB706F-40	
D3402	8-719-058-24	DIODE RB501V-40TE-17	
D3500	6-501-233-01	DIODE BZA862AVL	
D3501	6-501-233-01	DIODE BZA862AVL	
D3502	6-501-233-01	DIODE BZA862AVL	
D3504	8-719-058-24	DIODE RB501V-40TE-17	
D3800	8-719-066-11	DIODE 1PS184-115	

< FERRITE BEAD >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FB3100	1-469-869-21	FERRITE 0UH	
FB3101	1-469-869-21	FERRITE 0UH	
FB3102	1-469-869-21	FERRITE 0UH	
FB3103	1-400-833-21	FERRITE 0UH	
FB3104	1-469-869-21	FERRITE 0UH	
FB3105	1-400-833-21	FERRITE 0UH	
FB3106	1-400-833-21	FERRITE 0UH	
FB3107	1-400-833-21	FERRITE 0UH	
FB3108	1-400-833-21	FERRITE 0UH	
FB3109	1-400-833-21	FERRITE 0UH	
FB3110	1-400-833-21	FERRITE 0UH	
FB3111	1-400-833-21	FERRITE 0UH	
FB3112	1-400-833-21	FERRITE 0UH	
FB3200	1-400-244-11	FERRITE 0UH	
FB3201	1-400-244-11	FERRITE 0UH	
FB3300	1-469-869-21	FERRITE 0UH	
FB3301	1-469-869-21	FERRITE 0UH	
FB3400	1-400-244-11	FERRITE 0UH	
FB3401	1-400-244-11	FERRITE 0UH	
FB3402	1-400-244-11	FERRITE 0UH	

REF.NO.	PART NO.	DESCRIPTION	REMARK
FB3403	1-469-458-91	FERRITE 0UH	
FB3404	1-469-869-21	FERRITE 0UH	
FB3405	1-469-869-21	FERRITE 0UH	
FB3406	1-469-869-21	FERRITE 0UH	
FB3407	1-469-869-21	FERRITE 0UH	
FB3408	1-400-461-21	FERRITE 0UH	
FB3409	1-400-461-21	FERRITE 0UH	
FB3410	1-400-461-21	FERRITE 0UH	
FB3411	1-400-461-21	FERRITE 0UH	
FB3412	1-400-834-11	FERRITE 0UH	
FB3413	1-400-834-11	FERRITE 0UH	
FB3414	1-400-834-11	FERRITE 0UH	
FB3415	1-400-834-11	FERRITE 0UH	
FB3416	1-400-834-11	FERRITE 0UH	
FB3417	1-400-834-11	FERRITE 0UH	
FB3418	1-400-834-11	FERRITE 0UH	
FB3419	1-400-834-11	FERRITE 0UH	
FB3420	1-400-834-11	FERRITE 0UH	
FB3501	1-469-458-91	FERRITE 0UH	
FB3502	1-469-458-91	FERRITE 0UH	
FB3503	1-400-244-11	FERRITE 0UH	
FB3504	1-400-244-11	FERRITE 0UH	
FB3505	1-400-244-11	FERRITE 0UH	
FB3507	1-400-244-11	FERRITE 0UH	
FB3509	1-414-772-11	FERRITE 0UH	
FB3546	1-400-244-11	FERRITE 0UH	
FB3547	1-400-244-11	FERRITE 0UH	
FB3548	1-400-244-11	FERRITE 0UH	
FB3549	1-400-244-11	FERRITE 0UH	
FB3550	1-400-244-11	FERRITE 0UH	
FB3551	1-400-244-11	FERRITE 0UH	
FB3552	1-400-244-11	FERRITE 0UH	
FB3553	1-400-244-11	FERRITE 0UH	
FB3554	1-469-869-21	FERRITE 0UH	
FB3555	1-469-869-21	FERRITE 0UH	
FB3557	1-400-244-11	FERRITE 0UH	
FB3800	1-400-244-11	FERRITE 0UH	
FB3801	1-400-244-11	FERRITE 0UH	
FB3802	1-400-244-11	FERRITE 0UH	
FB3803	1-400-244-11	FERRITE 0UH	
FB3804	1-400-244-11	FERRITE 0UH	
FB3805	1-400-244-11	FERRITE 0UH	
FB3806	1-400-244-11	FERRITE 0UH	

< FILTER >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FL3500	1-239-899-21	FERRITE 0UH	

< IC >

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC3100	6-702-498-21	IC UPD61120AF1-100-JN1-A	
IC3200	6-707-809-01	IC EDD1216AATA-6B-E	
IC3201	6-705-271-01	IC KA5SDKAS01TSL	
IC3206	6-704-621-01	IC TC58DVM72A1TG00	
IC3301	8-759-644-48	IC 74LVC541APW	
IC3302	8-759-644-48	IC 74LVC541APW	
IC3303	8-759-564-22	IC 74LVC00-PW	
IC3304	8-759-644-48	IC 74LVC541APW	
IC3305	8-759-644-48	IC 74LVC541APW	
IC3306	8-759-644-48	IC 74LVC541APW	
IC3307	8-759-298-91	IC 74LVT245PW-T	
IC3308	8-759-644-48	IC 74LVC541APW	
IC3309	8-759-644-48	IC 74LVC541APW	
IC3310	8-759-644-48	IC 74LVC541APW	
IC3311	8-759-298-91	IC 74LVT245PW-T	
IC3312	8-759-644-48	IC 74LVC541APW	
IC3313	8-759-644-48	IC 74LVC541APW	
IC3314	8-759-644-48	IC 74LVC541APW	
IC3315	8-759-564-09	IC 74LVC32A-PW	
IC3316	6-708-132-01	IC 74LVC14APW	
IC3400	6-707-808-01	IC WM8727GED/RV	
IC3401	8-759-701-40	IC NJM3404AM-T1	
IC3402	6-705-403-01	IC PQ070XZ01ZPH	
IC3403	6-705-403-01	IC PQ070XZ01ZPH	
IC3404	6-705-789-01	IC LM3526MX-H/J5000396	
IC3502	8-759-644-48	IC 74LVC541APW	
IC3504	8-753-212-44	IC CXD1976R-T6	
IC3800	6-703-175-01	IC PST3629UL	
IC3801	8-759-670-18	IC 74LVC273PW	
IC3802	8-759-670-18	IC 74LVC273PW	
IC3803	6-706-487-01	IC TC7SH08FU(T5RSOYJF)	
IC3804	8-759-564-09	IC 74LVC32A-PW	
IC3805	8-759-564-91	IC 74LVC08APW	
IC3806	6-706-487-01	IC TC7SH08FU(T5RSOYJF)	
IC3807	6-704-067-01	IC M24128-BWMN6T(A)	

< COIL >

REF.NO.	PART NO.	DESCRIPTION	REMARK
L3100	1-400-859-41	INDUCTOR 0.82UH	
L3500	1-412-006-31	INDUCTOR 10UH	
L3501	1-469-842-21	INDUCTOR 0.47UH	
L3502	1-410-981-42	INDUCTOR 0.1UH	
L3503	1-410-981-42	INDUCTOR 0.1UH	
L3504	1-410-981-42	INDUCTOR 0.1UH	

< TRANSISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q3400	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3401	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3402	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3403	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R	
Q3404	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q3405	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R	
Q3406	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3407	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3408	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3409	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3410	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R	
Q3411	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R	
Q3412	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3504	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q3800	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q3801	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q3804	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q3805	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q3806	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R	
Q3808	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R	

< RESISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
R3100	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3101	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3102	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3103	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3104	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3105	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3106	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3107	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3108	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3109	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3110	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3111	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3112	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3113	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3114	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3115	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3116	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3117	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3118	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3119	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R3120	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3121	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3122	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3123	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3124	1-218-961-11	RES-CHIP 4.7K 5% 1/16W	
R3125	1-218-961-11	RES-CHIP 4.7K 5% 1/16W	
R3126	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3127	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3129	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3130	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3131	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3132	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3133	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3135	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3136	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3137	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3141	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3145	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3146	1-218-990-81	SHORT CHIP 0	
R3147	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3148	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3149	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3156	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3157	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R3160	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3200	1-218-941-11	RES-CHIP 100 5% 1/16W	
R3201	1-218-941-11	RES-CHIP 100 5% 1/16W	
R3202	1-218-939-11	RES-CHIP 68 5% 1/16W	
R3203	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3204	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3205	1-218-937-11	RES-CHIP 47 5% 1/16W	
R3206	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3211	1-218-957-11	RES-CHIP 2.2K 5% 1/16W	
R3212	1-218-957-11	RES-CHIP 2.2K 5% 1/16W	
R3213	1-218-957-11	RES-CHIP 2.2K 5% 1/16W	
R3214	1-218-957-11	RES-CHIP 2.2K 5% 1/16W	
R3216	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3218	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3220	1-218-957-11	RES-CHIP 2.2K 5% 1/16W	
R3222	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3224	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3227	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3229	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3230	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3232	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3234	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3236	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3238	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3239	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R3240	1-218-939-11	RES-CHIP 68 5% 1/16W	
R3242	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3251	1-218-949-11	RES-CHIP 470 5% 1/16W	
R3262	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3303	1-218-953-11	RES-CHIP 1K 5% 1/16W	
R3306	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3308	1-218-941-81	RES-CHIP 100 5% 1/16W	
R3310	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R3311	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R3312	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R3313	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R3314	1-218-965-11	RES-CHIP 10K 5% 1/16W	
R3317	1-218-961-11	RES-CHIP 4.7K 5% 1/16W	
R3318	1-218-965-11	RES-CHIP 10K 5% 1/16W	

REF.NO.	PART NO.	DESCRIPTION		REMARK	
R3321	1-218-941-81	RES-CHIP	100	5%	1/16W
R3324	1-218-941-81	RES-CHIP	100	5%	1/16W
R3325	1-218-937-11	RES-CHIP	47	5%	1/16W
R3400	1-218-966-11	RES-CHIP	12K	5%	1/16W
R3401	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3406	1-218-949-11	RES-CHIP	470	5%	1/16W
R3407	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R3408	1-208-885-11	METAL CHIP	820	0.5%	1/16W
R3415	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R3421	1-218-990-81	SHORT CHIP	0		
R3422	1-218-937-11	RES-CHIP	47	5%	1/16W
R3423	1-218-937-11	RES-CHIP	47	5%	1/16W
R3424	1-218-945-11	RES-CHIP	220	5%	1/16W
R3427	1-218-949-11	RES-CHIP	470	5%	1/16W
R3428	1-218-949-11	RES-CHIP	470	5%	1/16W
R3429	1-218-949-11	RES-CHIP	470	5%	1/16W
R3430	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3433	1-218-937-11	RES-CHIP	47	5%	1/16W
R3434	1-218-937-11	RES-CHIP	47	5%	1/16W
R3435	1-218-937-11	RES-CHIP	47	5%	1/16W
R3436	1-218-937-11	RES-CHIP	47	5%	1/16W
R3438	1-218-966-11	RES-CHIP	12K	5%	1/16W
R3439	1-218-990-81	SHORT CHIP	0		
R3440	1-218-990-81	SHORT CHIP	0		
R3441	1-218-937-11	RES-CHIP	47	5%	1/16W
R3442	1-218-949-11	RES-CHIP	470	5%	1/16W
R3444	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R3445	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R3446	1-218-972-11	RES-CHIP	39K	5%	1/16W
R3447	1-218-972-11	RES-CHIP	39K	5%	1/16W
R3448	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3449	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3450	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3451	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3452	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3453	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3454	1-218-948-11	RES-CHIP	390	5%	1/16W
R3455	1-218-937-11	RES-CHIP	47	5%	1/16W
R3456	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3457	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R3458	1-218-941-11	RES-CHIP	100	5%	1/16W
R3459	1-218-941-11	RES-CHIP	100	5%	1/16W
R3460	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R3461	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3462	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3463	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3464	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3465	1-218-966-11	RES-CHIP	12K	5%	1/16W
R3466	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3467	1-218-966-11	RES-CHIP	12K	5%	1/16W

REF.NO.	PART NO.	DESCRIPTION		REMARK	
R3468	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3469	1-218-949-11	RES-CHIP	470	5%	1/16W
R3470	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R3471	1-208-885-11	METAL CHIP	820	0.5%	1/16W
R3472	1-218-949-11	RES-CHIP	470	5%	1/16W
R3473	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R3474	1-208-885-11	METAL CHIP	820	0.5%	1/16W
R3475	1-218-949-11	RES-CHIP	470	5%	1/16W
R3478	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R3479	1-208-885-11	METAL CHIP	820	0.5%	1/16W
R3480	1-218-941-81	RES-CHIP	100	5%	1/16W
R3481	1-218-941-81	RES-CHIP	100	5%	1/16W
R3482	1-218-948-11	RES-CHIP	390	5%	1/16W
R3483	1-218-948-11	RES-CHIP	390	5%	1/16W
R3484	1-216-001-00	RES-CHIP	10	5%	1/10W
R3485	1-218-990-81	SHORT CHIP	0		
R3486	1-218-948-11	RES-CHIP	390	5%	1/16W
R3487	1-218-945-11	RES-CHIP	220	5%	1/16W
R3488	1-218-945-11	RES-CHIP	220	5%	1/16W
R3489	1-218-945-11	RES-CHIP	220	5%	1/16W
R3490	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3491	1-218-967-11	RES-CHIP	15K	5%	1/16W
R3492	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3493	1-218-941-81	RES-CHIP	100	5%	1/16W
R3500	1-216-295-91	SHORT CHIP	0		
R3501	1-216-295-91	SHORT CHIP	0		
R3502	1-216-295-91	SHORT CHIP	0		
R3504	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3505	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3506	1-218-941-81	RES-CHIP	100	5%	1/16W
R3507	1-218-941-81	RES-CHIP	100	5%	1/16W
R3508	1-216-295-91	SHORT CHIP	0		
R3509	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3510	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3511	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3516	1-218-937-11	RES-CHIP	47	5%	1/16W
R3517	1-218-937-11	RES-CHIP	47	5%	1/16W
R3518	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3537	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3542	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3543	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3544	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3545	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3546	1-218-941-81	RES-CHIP	100	5%	1/16W
R3547	1-218-941-81	RES-CHIP	100	5%	1/16W
R3548	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3550	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R3554	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3558	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R3559	1-208-927-11	METAL CHIP	47K	0.5%	1/16W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R3560	1-218-937-11	RES-CHIP	47	5%	1/16W
R3561	1-218-941-81	RES-CHIP	100	5%	1/16W
R3562	1-218-941-81	RES-CHIP	100	5%	1/16W
R3563	1-218-941-81	RES-CHIP	100	5%	1/16W
R3564	1-218-941-81	RES-CHIP	100	5%	1/16W
R3565	1-218-941-81	RES-CHIP	100	5%	1/16W
R3566	1-218-989-11	RES-CHIP	1M	5%	1/16W
R3567	1-218-941-81	RES-CHIP	100	5%	1/16W
R3601	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3602	1-218-941-81	RES-CHIP	100	5%	1/16W
R3603	1-218-941-81	RES-CHIP	100	5%	1/16W
R3604	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3609	1-218-941-81	RES-CHIP	100	5%	1/16W
R3610	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3611	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3613	1-218-941-81	RES-CHIP	100	5%	1/16W
R3616	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3617	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3620	1-218-941-81	RES-CHIP	100	5%	1/16W
R3621	1-218-941-81	RES-CHIP	100	5%	1/16W
R3623	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3629	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3631	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3633	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3635	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3637	1-218-948-11	RES-CHIP	390	5%	1/16W
R3638	1-218-948-11	RES-CHIP	390	5%	1/16W
R3639	1-218-948-11	RES-CHIP	390	5%	1/16W
R3640	1-218-948-11	RES-CHIP	390	5%	1/16W
R3641	1-218-948-11	RES-CHIP	390	5%	1/16W
R3642	1-218-941-81	RES-CHIP	100	5%	1/16W
R3645	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3646	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3647	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3800	1-218-969-11	RES-CHIP	22K	5%	1/16W
R3801	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3802	1-218-941-81	RES-CHIP	100	5%	1/16W
R3803	1-218-941-81	RES-CHIP	100	5%	1/16W
R3804	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R3806	1-218-941-81	RES-CHIP	100	5%	1/16W
R3809	1-218-941-81	RES-CHIP	100	5%	1/16W
R3810	1-218-941-81	RES-CHIP	100	5%	1/16W
R3814	1-218-941-81	RES-CHIP	100	5%	1/16W
R3815	1-218-941-81	RES-CHIP	100	5%	1/16W
R3816	1-218-941-81	RES-CHIP	100	5%	1/16W
R3817	1-218-941-81	RES-CHIP	100	5%	1/16W
R3818	1-218-941-81	RES-CHIP	100	5%	1/16W
R3819	1-218-941-81	RES-CHIP	100	5%	1/16W
R3820	1-218-941-81	RES-CHIP	100	5%	1/16W
R3821	1-218-941-81	RES-CHIP	100	5%	1/16W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R3822	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3824	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3825	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3826	1-218-941-81	RES-CHIP	100	5%	1/16W
R3827	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3828	1-218-941-81	RES-CHIP	100	5%	1/16W
R3830	1-218-941-81	RES-CHIP	100	5%	1/16W
R3831	1-218-941-81	RES-CHIP	100	5%	1/16W
R3832	1-218-990-81	SHORT CHIP	0		
R3835	1-218-941-81	RES-CHIP	100	5%	1/16W
R3836	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3837	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3838	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3839	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3840	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3841	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3842	1-218-941-81	RES-CHIP	100	5%	1/16W
R3843	1-218-941-81	RES-CHIP	100	5%	1/16W
R3844	1-218-941-81	RES-CHIP	100	5%	1/16W
R3846	1-218-949-11	RES-CHIP	470	5%	1/16W
R3848	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3849	1-218-941-81	RES-CHIP	100	5%	1/16W
R3850	1-218-953-11	RES-CHIP	1K	5%	1/16W
R3852	1-218-941-81	RES-CHIP	100	5%	1/16W
R3853	1-218-941-81	RES-CHIP	100	5%	1/16W
R3854	1-218-941-81	RES-CHIP	100	5%	1/16W
R3855	1-218-941-81	RES-CHIP	100	5%	1/16W
R3856	1-218-941-81	RES-CHIP	100	5%	1/16W
R3857	1-218-941-81	RES-CHIP	100	5%	1/16W
R3858	1-218-941-81	RES-CHIP	100	5%	1/16W
R3859	1-218-941-81	RES-CHIP	100	5%	1/16W
R3861	1-218-941-81	RES-CHIP	100	5%	1/16W
R3862	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R3892	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3895	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3896	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3899	1-218-965-11	RES-CHIP	10K	5%	1/16W

< RESISTOR CHIP >

REF.NO.	PART NO.	DESCRIPTION		REMARK
RB3100	1-234-370-21	RES, NETWORK	22	(1005X4)
RB3101	1-234-370-21	RES, NETWORK	22	(1005X4)
RB3102	1-234-370-21	RES, NETWORK	22	(1005X4)
RB3103	1-234-370-21	RES, NETWORK	22	(1005X4)
RB3104	1-234-370-21	RES, NETWORK	22	(1005X4)
RB3105	1-234-370-21	RES, NETWORK	22	(1005X4)
RB3106	1-234-370-21	RES, NETWORK	22	(1005X4)
RB3107	1-234-370-21	RES, NETWORK	22	(1005X4)
RB3108	1-234-370-21	RES, NETWORK	22	(1005X4)
RB3109	1-234-370-21	RES, NETWORK	22	(1005X4)

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

N **AG**

REF.NO.	PART NO.	DESCRIPTION	REMARK
RB3110	1-234-370-21	RES, NETWORK 22	(1005X4)
RB3200	1-234-372-21	RES, NETWORK 100	(1005X4)
RB3201	1-234-372-21	RES, NETWORK 100	(1005X4)
RB3202	1-234-372-21	RES, NETWORK 100	(1005X4)
RB3203	1-234-702-11	RES, NETWORK 68	(1005X4)
RB3204	1-234-702-11	RES, NETWORK 68	(1005X4)
RB3206	1-234-372-21	RES, NETWORK 100	(1005X4)
RB3207	1-234-372-21	RES, NETWORK 100	(1005X4)
RB3208	1-234-702-11	RES, NETWORK 68	(1005X4)
RB3209	1-234-702-11	RES, NETWORK 68	(1005X4)
RB3500	1-234-371-21	RES, NETWORK 47	(1005X4)
RB3501	1-234-371-21	RES, NETWORK 47	(1005X4)
		< CRYSTAL >	
X3200	1-813-055-11	QUARTZ CRYSTAL UNIT	
X3500	1-813-547-11	QUARTZ CRYSTAL UNIT	

* A-1151-514-A AG COMPL DIG ZAPPING

REF.NO.	PART NO.	DESCRIPTION	REMARK
	4-382-854-01	SCREW (M3X8), P, SW (+)	
		< CAPACITOR >	
C1001	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1003	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1005	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1006	1-126-767-11	ELECT 1000UF	20.00% 16V
C1008	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1010	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1011	1-104-662-91	ELECT 22UF	20.00% 25V
C1012	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1013	1-163-131-00	CERAMIC CHIP 390PF	5.00% 50V
C1014	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1015	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1016	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C1017	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C1018	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C1019	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1020	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1021	1-131-664-91	CERAMIC CHIP 0.15UF	10% 10V
C1024	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C1025	1-216-864-11	SHORT CHIP 0	
C1026	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1027	1-162-926-11	CERAMIC CHIP 82PF	5.00% 50V
C1028	1-164-388-91	CERAMIC CHIP 270PF	5.00% 50V
C1029	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V
C1030	1-162-928-11	CERAMIC CHIP 120PF	5.00% 50V
C1031	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1034	1-126-933-11	ELECT 100UF	20.00% 16V
C1035	1-165-908-11	CERAMIC CHIP 1UF	10% 10V
C1037	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
C1039	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
C1040	1-135-372-31	ELECT 470UF	20% 10V
C1103	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C1104	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C1106	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C1220	1-126-933-11	ELECT 100UF	20.00% 16V
C1221	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1222	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1223	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1224	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1230	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1231	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1232	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1233	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1235	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1237	1-126-964-11	ELECT 10UF	20.00% 50V
C1239	1-126-933-11	ELECT 100UF	20.00% 16V
C1242	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1243	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C1244	1-126-933-11	ELECT 100UF	20.00% 16V
C1601	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1604 ⚠	1-104-571-91	CERAMIC 0.0015UF	10.00% 2KV
C1605 ⚠	1-104-571-91	CERAMIC 0.0015UF	10.00% 2KV
C1607 ⚠	1-104-571-91	CERAMIC 0.0015UF	10.00% 2KV
C1608 ⚠	1-104-571-91	CERAMIC 0.0015UF	10.00% 2KV
C1609	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C1612	1-117-753-11	ELECT(BLOCK) 470UF	20.00% 450V
C1613	1-126-964-11	ELECT 10UF	20.00% 50V
C1614	1-126-967-11	ELECT 47UF	20.00% 50V
C1615	1-126-948-11	ELECT 100UF	20.00% 35V
C1618	1-136-497-81	FILM 0.1UF	5.00% 50V
C1620	1-107-902-11	ELECT 1UF	20% 50V
C1622	1-126-961-11	ELECT 2.2UF	20.00% 50V
C1623	1-136-479-11	FILM 0.001UF	5.00% 100V
C1624	1-126-963-11	ELECT 4.7UF	20.00% 50V
C1626	1-113-924-11	CERAMIC 0.0047UF	20.00% 250V
C1627	1-125-969-91	CERAMIC 680PF	10.00% 1KV
C1628	1-125-969-91	CERAMIC 680PF	10.00% 1KV
C1629	1-135-946-22	FILM 47000PF	3% 800V
C1630	1-126-939-11	ELECT 10000UF	20.00% 16V
C1631	1-107-914-11	ELECT 1000UF	20% 50V
C1632	1-126-964-11	ELECT 10UF	20.00% 50V
C1634	1-126-944-11	ELECT 3300UF	20.00% 25V
C1635	1-126-944-11	ELECT 3300UF	20.00% 25V
C1639	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1640	1-107-888-11	ELECT 47UF	20% 25V
C1642	1-107-906-11	ELECT 10UF	20% 50V
C1648	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C1652	1-107-906-11	ELECT 10UF	20% 50V
C1653	1-107-909-11	ELECT 47UF	20% 50V

Note : The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART NO.	DESCRIPTION	REMARK
C1655	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V
C1656	1-163-009-91	CERAMIC CHIP 0.001UF	10.00% 50V
C1659	1-137-194-81	FILM 0.47UF	5.00% 50V
C1660 △	1-165-530-11	MYLAR 0.47UF	10 275V
C1661 △	1-119-887-51	CERAMIC 1000PF	20.00% 250V
C1662 △	1-119-887-51	CERAMIC 1000PF	20.00% 250V
C1664 △	1-165-530-11	MYLAR 0.47UF	10 275V
C1670	1-125-497-11	ELECT(BLOCK) 100UF	20% 400V
C1671	1-125-497-11	ELECT(BLOCK) 100UF	20% 400V
C1672	1-161-830-00	CERAMIC 0.0047UF	500V
C2002	1-128-528-11	ELECT 470UF	20% 25V
C2003	1-126-965-91	ELECT 22UF	20.00% 50V
C2025	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2033	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2302	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2304	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2305	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2306	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2502	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2503	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2504	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2505	1-107-907-11	ELECT 22UF	20% 50V
C2506	1-126-965-91	ELECT 22UF	20.00% 50V
C2507	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V
C2511	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C2512	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2513	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2514	1-107-715-11	ELECT 22UF	20% 50V
C3000	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C3001	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C3002	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C3003	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C3004	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C4200	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C4201	1-164-160-11	CERAMIC CHIP 20PF	5.00% 50V
C4202	1-115-456-21	DOUBLE LAYER 0.22F	5.5V
C6200	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6201	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6202	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6203	1-107-909-11	ELECT 47UF	20% 50V
C6205	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6208	1-128-526-11	ELECT 100UF	20% 25V
C6211	1-104-665-11	ELECT 100UF	20.00% 25V
C6213	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6214	1-128-526-11	ELECT 100UF	20% 25V
C6215	1-128-526-11	ELECT 100UF	20% 25V
C6217	1-126-767-11	ELECT 1000UF	20.00% 16V
C6218	1-126-767-11	ELECT 1000UF	20.00% 16V
C6223	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6224	1-164-156-11	CERAMIC CHIP 0.1UF	25V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C6226	1-128-942-31	ELECT 1000UF	20% 6.3V
C6227	1-128-942-31	ELECT 1000UF	20% 6.3V
C6229	1-128-528-11	ELECT 470UF	20% 25V
C6230	1-126-935-11	ELECT 470UF	20.00% 16V
C6235	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6236	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6238	1-128-526-11	ELECT 100UF	20% 25V
C6239	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6240	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6241	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6243	1-104-665-11	ELECT 100UF	20.00% 25V
C6244	1-126-947-11	ELECT 47UF	20.00% 35V
C6257	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6259	1-104-665-11	ELECT 100UF	20.00% 25V
C6260	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6263	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6264	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6265	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6266	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C6300 △	1-126-943-11	ELECT 2200UF	20.00% 25V
C6301	1-126-971-11	ELECT 470UF	20.00% 50V
C6303	1-126-964-11	ELECT 10UF	20.00% 50V
C8206	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN1230	1-695-915-11	TAB (CONTACT)	
CN1601 △	* 1-580-843-11	PIN, CONNECTOR (POWER)	
CN1602	* 1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
CN1603	* 1-816-974-51	PLUG, CONNECTOR 3P	
CN1610	1-695-915-11	TAB (CONTACT)	
CN1611	1-695-915-11	TAB (CONTACT)	
CN1612	1-695-915-11	TAB (CONTACT)	
CN1616 △	* 1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
CN2001	1-695-915-11	TAB (CONTACT)	
CN2002	1-695-915-11	TAB (CONTACT)	
CN2003	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN2004	1-695-915-11	TAB (CONTACT)	
CN2005	1-695-915-11	TAB (CONTACT)	
CN2006	1-695-915-11	TAB (CONTACT)	
CN2007	1-695-915-11	TAB (CONTACT)	
CN2008	1-695-915-11	TAB (CONTACT)	
CN2302	1-764-334-11	PIN, CONNECTOR(PCB) (V TYPE)11P	
CN2303	* 1-816-985-71	PLUG, CONNECTOR 8P	
CN2304	* 1-564-512-11	PLUG, CONNECTOR 9P	
CN3000	1-764-333-11	PIN, CONNECTOR(PCB) (V TYPE)10P	
CN3001	* 1-816-983-71	PLUG, CONNECTOR 6P	
CN5201	* 1-823-330-11	CONNECTOR, BOARD TO BOARD 40P	
CN5209	* 1-564-508-11	PLUG, CONNECTOR 5P	
CN6204	1-695-915-11	TAB (CONTACT)	
CN6205	1-695-915-11	TAB (CONTACT)	

Note : The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN6208	* 1-564-512-11	PLUG, CONNECTOR 9P	

< DIODE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
D1002	8-719-050-38	DIODE M1MA152WK-T1	
D1005	8-719-081-97	DIODE MMDL914T1	
D1007	8-719-081-67	DIODE M1FM3	
D1008	8-719-073-69	DIODE PTZ-TE25-6.2A	
D1230	8-719-083-87	DIODE UDZS-TE17-33B	
D1601	8-719-054-36	DIODE FCH10A06	
D1602	6-500-067-01	DIODE GSIB460L/45	
D1607	8-719-979-64	DIODE UF4005/23	
D1608	8-719-060-90	DIODE S2L60F	
D1609	8-719-063-73	DIODE D1NL20U-TR	
D1612	8-719-060-90	DIODE S2L60F	
D1613	8-719-081-97	DIODE MMDL914T1	
D1616	8-719-081-97	DIODE MMDL914T1	
D1617	8-719-081-97	DIODE MMDL914T1	
D1618	8-719-081-97	DIODE MMDL914T1	
D1619	8-719-083-82	DIODE UDZS-TE17-12B	
D1620	8-719-054-36	DIODE FCH10A06	
D1621	8-719-018-84	DIODE D2S6M	
D1624	8-719-060-88	DIODE D4SBS6	
D1631	8-719-081-97	DIODE MMDL914T1	
D1632	1-216-295-91	SHORT CHIP 0	
D1635	8-719-060-90	DIODE S2L60F	
D1636	8-719-060-90	DIODE S2L60F	
D2004	8-719-081-97	DIODE MMDL914T1	
D2005	8-719-081-97	DIODE MMDL914T1	
D3001	8-719-050-38	DIODE M1MA152WK-T1	
D4200	8-719-914-43	DIODE DAN202K	
D6201	8-719-022-97	DIODE D2S4MF	
D6202	8-719-022-97	DIODE D2S4MF	
D6206	8-719-081-97	DIODE MMDL914T1	
D6207	8-719-081-97	DIODE MMDL914T1	
D6208	8-719-081-97	DIODE MMDL914T1	
D6209	8-719-081-97	DIODE MMDL914T1	
D6211	6-500-294-01	DIODE PTZ-TE25-3.9B	
D6212	6-500-294-01	DIODE PTZ-TE25-3.9B	
D6302	8-719-511-40	DIODE S1VB40	
D6304	8-719-081-97	DIODE MMDL914T1	
D6306	8-719-081-97	DIODE MMDL914T1	

< FUSE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
F1601 △	1-576-232-51	FUSE	5A 250V

< FERRITE BEAD >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FB1101	1-412-987-31	INDUCTOR 4.7UH	
FB1200	1-469-869-21	FERRITE 0UH	
FB1201	1-469-869-21	FERRITE 0UH	
FB1230	1-469-869-21	FERRITE 0UH	
FB1231	1-469-869-21	FERRITE 0UH	

< CLIP FUSE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FH1601 △	1-533-725-11	FUSE HOLDER	0A 0V

< FILTER >

REF.NO.	PART NO.	DESCRIPTION	REMARK
FL1230	1-239-899-21	FERRITE 0UH	

< IC >

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC1001	6-704-747-01	IC TDA9886TS/V4,118	
IC1002	6-704-120-01	IC MD3221N	
IC1601	6-705-810-01	IC MCZ3001DB	
IC1602	8-759-198-31	IC UPC1093J-1-T	
IC2500	8-759-590-05	IC TDA7269A	
IC4200	8-759-478-44	IC PCF8593/T118	
IC6201	6-702-313-01	IC PST600IMT	
IC6202	6-708-659-01	IC BA00BC0WT-V5	
IC6203	8-759-098-24	IC PQ30RV11J00H	
IC6204	8-759-394-36	IC BA09T	
IC6205	8-759-098-24	IC PQ30RV11J00H	
IC6207	8-759-640-19	IC PQ1CG2032FZ	
IC6208	8-759-640-19	IC PQ1CG2032FZ	
IC6210	8-759-520-49	IC PQ30RV21J00H	

< JUMPER RESISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
JR1	1-216-295-91	SHORT CHIP 0	
JR2	1-216-295-91	SHORT CHIP 0	
JR1002	1-216-864-11	SHORT CHIP 0	
JR1003	1-216-864-11	SHORT CHIP 0	
JR1004	1-216-864-11	SHORT CHIP 0	
JR1008	1-216-864-11	SHORT CHIP 0	
JR1009	1-216-864-11	SHORT CHIP 0	
JR1011	1-216-864-11	SHORT CHIP 0	
JR1012	1-216-864-11	SHORT CHIP 0	
JR1201	1-216-864-11	SHORT CHIP 0	
JR1202	1-216-864-11	SHORT CHIP 0	
JR1230	1-216-864-11	SHORT CHIP 0	
JR1231	1-216-864-11	SHORT CHIP 0	
JR1232	1-216-864-11	SHORT CHIP 0	
JR1233	1-216-864-11	SHORT CHIP 0	
JR1234	1-216-864-11	SHORT CHIP 0	
JR1235	1-216-864-11	SHORT CHIP 0	
JR1236	1-216-864-11	SHORT CHIP 0	
JR1237	1-216-864-11	SHORT CHIP 0	
JR6224	1-216-864-11	SHORT CHIP 0	
JR6225	1-216-864-11	SHORT CHIP 0	
JR6238	1-216-864-11	SHORT CHIP 0	

Note : The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< COIL >	
L1001	1-414-934-21	INDUCTOR 10UH	
L1002	1-414-934-21	INDUCTOR 10UH	
L1003	1-406-663-21	INDUCTOR 47UH	
L1004	1-216-864-11	SHORT CHIP 0	
L1005	1-216-864-11	SHORT CHIP 0	
L1006	1-410-509-11	INDUCTOR 10UH	
L1007	1-414-934-21	INDUCTOR 10UH	
L1008	1-457-154-11	INDUCTOR 10UH	
L1009	1-406-663-21	INDUCTOR 47UH	
L1010	1-406-663-21	INDUCTOR 47UH	
L1012	1-216-864-11	SHORT CHIP 0	
L1013	1-216-864-11	SHORT CHIP 0	
L1100	1-414-580-21	INDUCTOR 100NH	
L1101	1-414-580-21	INDUCTOR 100NH	
L1102	1-414-934-21	INDUCTOR 10UH	
L1230	1-412-006-31	INDUCTOR 10UH	
L1601	1-412-525-31	INDUCTOR 10UH	
L1602	1-469-578-11	FERRITE 1.1UH	
L1603	1-469-578-11	FERRITE 1.1UH	
L1609	1-406-659-11	INDUCTOR 10UH	
L1616	1-406-984-11	INDUCTOR 1.5MH	
L6202	1-456-803-11	INDUCTOR 100UH	
L6203	1-456-803-11	INDUCTOR 100UH	
L6207	1-412-525-31	INDUCTOR 10UH	
L6208	1-412-525-31	INDUCTOR 10UH	
L6210	1-414-928-21	INDUCTOR 1UH	
		< PHOTOCOUPLER >	
PH1601 △	6-600-187-01	PHOTO COUPLER PC123Y22J00F	
		< PROTECTOR MODULE >	
PS1600 △	1-576-288-32	IC LINK 10A 90V	
PS6202 △	1-801-549-21	IC LINK 4A 0V	
PS6204 △	1-801-549-21	IC LINK 4A 0V	
		< TRANSISTOR >	
Q1002	8-729-421-19	TRANSISTOR UN2213	
Q1003	8-729-421-19	TRANSISTOR UN2213	
Q1004	8-729-422-33	TRANSISTOR 2SD601A-Q-TX	
Q1008	8-729-054-41	TRANSISTOR MUN2232T1	
Q1009	8-729-010-05	TRANSISTOR MSB709-RT1	
Q1603	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1604	8-729-010-05	TRANSISTOR MSB709-RT1	
Q1605	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1606	8-729-052-32	TRANSISTOR IRFIB7N50A-LF31	
Q1607	8-729-052-32	TRANSISTOR IRFIB7N50A-LF31	
Q2001	8-729-010-05	TRANSISTOR MSB709-RT1	

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q2500	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2501	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2502	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2503	8-729-010-29	TRANSISTOR MSD601-RST1	
Q2504	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q6201	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q6202	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q6203	8-729-010-29	TRANSISTOR MSD601-RST1	
Q6302	8-729-901-06	TRANSISTOR DTA144EK	
Q6305	8-729-010-29	TRANSISTOR MSD601-RST1	
		< RESISTOR >	
R1004	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1006	1-216-838-11	METAL CHIP 27K 5% 1/10W	
R1007	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R1009	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R1010	1-216-818-11	METAL CHIP 560 5% 1/10W	
R1011	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R1013	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R1014	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R1016	1-216-817-11	METAL CHIP 470 5% 1/10W	
R1018	1-216-830-11	METAL CHIP 5.6K 5% 1/10W	
R1019	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R1020	1-216-811-11	METAL CHIP 150 5% 1/10W	
R1027	1-216-824-11	METAL CHIP 1.8K 5% 1/10W	
R1028	1-216-813-11	METAL CHIP 220 5% 1/10W	
R1029	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1030	1-216-819-11	METAL CHIP 680 5% 1/10W	
R1032	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
R1033	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R1034	1-216-807-11	METAL CHIP 68 5% 1/10W	
R1035	1-216-807-11	METAL CHIP 68 5% 1/10W	
R1036	1-216-814-11	METAL CHIP 270 5% 1/10W	
R1037	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R1038	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1039	1-216-801-11	METAL CHIP 22 5% 1/10W	
R1041	1-216-812-11	METAL CHIP 180 5% 1/10W	
R1043	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R1047	1-216-817-11	METAL CHIP 470 5% 1/10W	
R1048	1-216-834-11	METAL CHIP 12K 5% 1/10W	
R1050	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1051	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1052	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1101	1-412-987-31	INDUCTOR 4.7UH	
R1102	1-414-760-21	FERRITE 0UH	
R1103	1-414-760-21	FERRITE 0UH	
R1105	1-414-580-21	INDUCTOR 100NH	
R1233	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1234	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1235	1-216-809-11	METAL CHIP 100 5% 1/10W	

Note : The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART NO.	DESCRIPTION			REMARK
R1237	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1238	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1239	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1601	1-245-494-21	METAL	2.2M	2%	1/4W
R1602	1-245-494-21	METAL	2.2M	2%	1/4W
R1607	1-249-417-11	CARBON	1K	5%	1/4W
R1613 △	1-202-933-61	FUSIBLE	0.1	10%	1/2W
R1616	1-249-393-11	CARBON	10	5%	1/4W
R1617	1-249-377-11	CARBON	0.47	5%	1/4W
R1618	1-260-288-11	CARBON	0.47	5%	1/2W
R1619 △	1-220-886-11	FUSIBLE	0.1	10%	1W
R1620	1-216-073-91	RES-CHIP	10K	5%	1/10W
R1621	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1622	1-216-073-91	RES-CHIP	10K	5%	1/10W
R1623	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1625	1-245-478-21	METAL	470K	1%	1/4W
R1626	1-245-478-21	METAL	470K	1%	1/4W
R1628	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R1629	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R1630	1-216-073-91	RES-CHIP	10K	5%	1/10W
R1631	1-216-073-91	RES-CHIP	10K	5%	1/10W
R1632	1-216-797-11	METAL CHIP	10	5%	1/10W
R1633	1-216-073-91	RES-CHIP	10K	5%	1/10W
R1634	1-216-797-11	METAL CHIP	10	5%	1/10W
R1635	1-216-073-91	RES-CHIP	10K	5%	1/10W
R1638	1-202-965-11	METAL	0.02	10%	2W
R1641	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1642	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1643	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R1644	1-216-025-11	RES-CHIP	100	5%	1/10W
R1645	1-216-017-91	RES-CHIP	47	5%	1/10W
R1646	1-218-873-11	METAL CHIP	12K	0.5%	1/10W
R1647	1-216-041-00	RES-CHIP	470	5%	1/10W
R1649	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1650	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R1651 △	1-205-998-11	CEMENTED	1	5%	10W
R1652 △	1-205-998-11	CEMENTED	1	5%	10W
R1653 △	1-202-719-00	SOLID	1M	20%	1/2W
R1654	1-260-288-11	CARBON	0.47	5%	1/2W
R1655	1-260-288-11	CARBON	0.47	5%	1/2W
R1656	1-215-904-11	METAL OXIDE	100K	5%	2W
R1657	1-215-904-11	METAL OXIDE	100K	5%	2W
R1662 △	1-218-265-11	METAL	8.2M	5%	1W
R1664	1-216-295-91	SHORT CHIP	0		
R2009	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2024	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2025	1-216-838-11	METAL CHIP	27K	5%	1/10W
R2026	1-216-864-11	SHORT CHIP	0		
R2027	1-216-113-00	RES-CHIP	470K	5%	1/10W
R2500	1-216-841-11	METAL CHIP	47K	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION			REMARK
R2501	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2502	1-216-818-11	METAL CHIP	560	5%	1/10W
R2503	1-216-818-11	METAL CHIP	560	5%	1/10W
R2504	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2505	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2506	1-216-836-11	METAL CHIP	18K	5%	1/10W
R2507	1-216-836-11	METAL CHIP	18K	5%	1/10W
R2508	1-216-809-11	METAL CHIP	100	5%	1/10W
R2509	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2510	1-216-846-11	METAL CHIP	120K	5%	1/10W
R2511	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2512	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2513	1-216-864-11	SHORT CHIP	0		
R2519	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2520	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2521	1-243-826-21	METAL OXIDE	4.7	5%	1W
R2522	1-243-826-21	METAL OXIDE	4.7	5%	1W
R2523	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2524	1-216-864-11	SHORT CHIP	0		
R2525	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3001	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3002	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3003	1-216-841-11	METAL CHIP	47K	5%	1/10W
R4200	1-216-841-11	METAL CHIP	47K	5%	1/10W
R4201	1-216-809-11	METAL CHIP	100	5%	1/10W
R4202	1-216-809-11	METAL CHIP	100	5%	1/10W
R6200	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R6201	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R6202	1-218-860-11	METAL CHIP	3.6K	0.5%	1/10W
R6203	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R6206	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R6207	1-218-849-11	METAL CHIP	1.2K	0.5%	1/10W
R6209	1-216-864-11	SHORT CHIP	0		
R6210	1-216-864-11	SHORT CHIP	0		
R6211	1-218-850-11	METAL CHIP	1.3K	0.5%	1/10W
R6212	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6214	1-216-846-11	METAL CHIP	120K	5%	1/10W
R6215	1-216-844-11	METAL CHIP	82K	5%	1/10W
R6216	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R6217	1-218-891-11	METAL CHIP	68K	0.5%	1/10W
R6218	1-218-915-11	METAL CHIP	680K	0.5%	1/10W
R6219	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R6220	1-218-837-11	METAL CHIP	390	0.5%	1/10W
R6221	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R6222	1-216-807-11	METAL CHIP	68	5%	1/10W
R6223	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R6229	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6239	1-218-901-11	METAL CHIP	180K	0.5%	1/10W
R6240	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W
R6242	1-218-872-11	METAL CHIP	11K	0.5%	1/10W

Note : The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART NO.	DESCRIPTION	REMARK
R6256	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R6262	1-216-834-11	METAL CHIP 12K 5% 1/10W	
R6263	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6264	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6267	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6303	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R6308	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R6309	1-216-821-11	METAL CHIP 1K 5% 1/10W	

< RELAY >

REF.NO.	PART NO.	DESCRIPTION	REMARK
RY1601 △	1-755-395-11	RELAY (AC POWER)	

< FILTER >

REF.NO.	PART NO.	DESCRIPTION	REMARK
SF1001	1-795-617-11	SAW FILTER	
SF1003	1-767-083-11	FILTER, SURFACE WAVE	

< TRANSFORMER >

REF.NO.	PART NO.	DESCRIPTION	REMARK
T1200	1-417-646-11	RF SPLITTER	
T1603 △	1-435-512-21	TRANSFORMER, CONVERTER (PIT)	
T1605 △	1-433-488-31	TRANSFORMER, LINE FILTER	
T6300 △	1-443-114-11	TRANSFORMER, STANDBY	

< TUNER >

REF.NO.	PART NO.	DESCRIPTION	REMARK
TU1001	8-597-953-00	TUNER, FSS BTP-AC431	
TU1230	8-597-998-00	TUNER, FSS BTP-DC411	

< VARISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
VD1602 △	1-804-995-11	VARISTOR	

< CRYSTAL >

REF.NO.	PART NO.	DESCRIPTION	REMARK
X1001	1-767-704-11	VIBRATOR, CRYSTAL	
X4200	1-760-105-11	VIBRATOR, CRYSTAL	

* A-1107-971-A H2 BOARD COMPLETE

< CAPACITOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
C2000	1-164-156-11	CERAMIC CHIP 0.1UF 25V	
C9001	1-119-667-11	CERAMIC CHIP 22UF 10V	
C9002	1-162-964-11	CERAMIC CHIP 0.001UF 10.00% 50V	

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN1000	* 1-564-526-31	PLUG, CONNECTOR 11P	

< DIODE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
D1700	8-719-069-55	DIODE UDZSTE-175.6B	
D1701	8-719-069-55	DIODE UDZSTE-175.6B	
D1702	8-719-064-11	DIODE SPR-325MVW	
D1704	8-719-064-11	DIODE SPR-325MVW	
D1705	8-719-053-43	DIODE SLR-325VCT31	

< IC >

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC1000	6-703-744-01	IC GP1UE26SXKOF	

< TRANSISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q1010	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1011	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1012	8-729-010-29	TRANSISTOR MSD601-RST1	
Q1013	8-729-010-29	TRANSISTOR MSD601-RST1	

< RESISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
R6310	1-216-864-11	SHORT CHIP 0	
R6311	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6312	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6313	1-216-817-11	METAL CHIP 470 5% 1/10W	
R6314	1-216-813-11	METAL CHIP 220 5% 1/10W	
R6315	1-216-817-11	METAL CHIP 470 5% 1/10W	
R6316	1-216-817-11	METAL CHIP 470 5% 1/10W	
R6317	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6318	1-216-813-11	METAL CHIP 220 5% 1/10W	
R6319	1-216-813-11	METAL CHIP 220 5% 1/10W	
R6320	1-216-017-91	RES-CHIP 47 5% 1/10W	
R6321	1-216-817-11	METAL CHIP 470 5% 1/10W	
R6322	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R6323	1-218-837-11	METAL CHIP 390 0.5% 1/10W	

< SWITCH >

REF.NO.	PART NO.	DESCRIPTION	REMARK
S1000	1-692-431-21	SWITCH, TACTILE	

* A-1107-970-A H1 BOARD COMPLETE

< CONNECTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN4404	* 1-564-519-11	PLUG, CONNECTOR 4P	

< DIODE >

REF.NO.	PART NO.	DESCRIPTION	REMARK
D4401	8-719-069-55	DIODE UDZSTE-175.6B	
D4402	8-719-069-55	DIODE UDZSTE-175.6B	

< RESISTOR >

REF.NO.	PART NO.	DESCRIPTION	REMARK
R4420	1-218-855-11	METAL CHIP 2.2K 0.5% 1/10W	
R4421	1-218-847-11	METAL CHIP 1K 0.5% 1/10W	
R4422	1-216-864-11	SHORT CHIP 0	
R4423	1-208-800-11	METAL CHIP 5.6K 0.5% 1/10W	
R4424	1-218-837-11	METAL CHIP 390 0.5% 1/10W	
R4425	1-218-827-11	METAL CHIP 150 0.5% 1/10W	

< SWITCH >

REF.NO.	PART NO.	DESCRIPTION	REMARK
S4400	1-692-431-21	SWITCH, TACTILE	
S4402	1-692-431-21	SWITCH, TACTILE	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART NO.	DESCRIPTION	REMARK
S4403	1-692-431-21	SWITCH, TACTILE	
S4404	1-692-431-21	SWITCH, TACTILE	
S4405	1-692-431-21	SWITCH, TACTILE	
S4406	1-692-431-21	SWITCH, TACTILE	

MISCELLANEOUS

REF.NO.	PART NO.	DESCRIPTION	REMARK
	1-826-219-11	LOUD SPEAKER (5.5x15CM)	
⚠	1-823-715-21	CORD, POWER	
⚠	1-787-373-11	D.C. FAN	
	1-576-912-11	THERMOSTAT	
⚠	1-468-936-13	POWER SUPPLY BLOCK	
⚠	1-787-231-11	D.C. FAN (SIROCCO)	

ACCESSORIES AND CONNECTORS

REF.NO.	PART NO.	DESCRIPTION	REMARK
	1-900-277-08	CONNECTOR ASSY 2P	
	1-910-017-08	CONNECTOR ASSY, 9P EHR-ZHR	
	1-910-017-09	CONNECTOR ASSY, 10P DF13-ZHR	
	1-910-017-10	CONNECTOR ASSY, 15P DF13-EHR	
	1-910-017-11	CONNECTOR ASSY, 8P EHR-DF13	
	1-910-017-12	CONNECTOR ASSY, 6P EHR-ZHR	
	1-910-017-13	CONNECTOR ASSY, 11P EHR-ZHR	
	1-910-017-14	CONNECTOR ASSY, 4P EHR-ZHR	
	1-910-017-15	CONNECTOR ASSY, 11P EHR-ZHR	
	1-910-017-16	CONNECTOR ASSY, 9P EHR-ZHR	
	1-910-017-17	CONNECTOR ASSY, 8P EHR-DF13	
	1-910-017-19	CONNECTOR ASSY, 14 PDF13-DF13	
	1-910-017-21	CONNECTOR ASSY, 5P ZHR-SHR	
	1-910-017-22	CONNECTOR ASSY, 3P VHR-VHR	
	1-910-017-23	CONNECTOR ASSY, 6P EHR-SMR	
	1-910-017-24	CONNECTOR ASSY, 10P EHR-AERIAL	
	1-910-017-25	CONNECTOR ASSY, 2P SMR-RHR	
	1-910-017-27	CONNECTOR ASSY, 15P GHR-DF13	
	1-910-017-28	CONNECTOR ASSY, 3P	
	1-910-018-74	CONNECTOR ASSY, 8P	
	1-910-018-75	CONNECTOR ASSY, 8P	
	1-910-018-91	CONNECTOR ASSY, 2P	
	2-590-739-12	CONNECTOR, HOLDER	
	*2-591-157-21	COVER, POD	
	*2-591-161-11	COVER, ADJUSTER	
	*2-631-704-11	COVER, REAR	
	2-657-538-11	INSTRUCTION MANUAL	
	2-657-538-21	INSTRUCTION MANUAL	
	2-657-538-31	INSTRUCTION MANUAL	

REMOTE COMMANDER

REF.NO.	PART NO.	DESCRIPTION	REMARK
	1-479-392-12	REMOTE COMMANDER (RM-ED002)	